Eton
GE
Sangean
Kaito
Ramsey
Nil-Jon
Create
Stridsberg
GRE
Alinco
AOR
JRC
Uniden
ICOM
WiNRADiO
GROVE
2006-2007
Product Catalog

AOR SR2000 Frequency Monitor

Seeing is Believing!

The SR2000 is an ultra-fast spectrum display monitor with a high quality triple-conversion receiver

AOR puts the power of FFT (Fast Fourier Transform) algorithms to work in tandem with a powerful receiver covering 25 MHz ~ 3 GHz continuous. The result is a compact color spectrum display monitor that's ultra-sensitive, incredibly fast, yet easy to use. The SR2000 is perfect for base, mobile or field use and can also be used with a personal computer.

High Speed FFT Search – Scans 10 MHz in as little as 0.2 seconds! Instantly detects, captures and displays transmitted signals.

- **FFT (Fast Fourier Transform) high speed display**
- **Displays up to 10MHz of spectrum bandwidth**
- **5 inch TFT color LCD display**
- **Waterfall (time) display function**
- **High speed FFT search** quickly captures new signal transmissions
- **Versatile color display** uses state of the art digital signal processing
- **Average or peak value readings**
- **Frequency coverage:** 25MHz ~ 3GHz (no gaps)
- **Ultra-stable, high-sensitivity triple-conversion receiver**
- **AM/NFM/WFM/SFM receive modes**
- **1000 memory settings** (100ch x 10 memory banks)
- **Easy menu-driven operation**
- **PC control** through serial port (or optional USB interface)

SR2000
Standard Accessories:
AC adapter, control cables

AOR®
Authority on Radio Communications

AOR U.S.A., Inc.
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Tel: 310-787-8615 Fax: 310-787-8619
info@aorusa.com http://www.aorusa.com

The Serious Choice in Advanced Technology Receivers.™

Specifications are subject to change without notice or obligation.
Product intended for use by government or authorized users in the USA, documentation required.

Welcome!

With the release of each new Grove catalog, we take the opportunity to reassess the market. Has the diverse field of radio reception changed much over the last year? Well, let's take a look.

This new catalog introduces a number of new products; it includes as well an invitation to see even more on our expanded website: www.grove-ent.com.

It doesn't take long to see that the present choice of advanced-model scanners and communications receivers are the most powerful and sophisticated ever developed for the consumer market, and our offerings to the professionals in government and military agencies have improved as well.

Scanner listeners had been concerned that digitized communications would signal the end of VHF/UHF monitoring. Nothing could be farther from the truth. The government's recent mandate for federal and non-federal agencies to adopt a common mode of digitization, APCO Project 25 ("P-25"), has reopened the spectrum with its unscrambled architecture.

Even the shortwave enthusiast sees more flexible functions in their receivers with software definition of control and signal processing and expanded frequency coverage. Best of all, it's official—the 11-year sunspot cycle minimum is over and the cycle has begun its upswing toward increasing global coverage utilizing higher and higher frequencies!

Yes, the world of listening is healthy, and Grove's sales are the highest in our company's history. We were the first company in America to specialize in radio reception equipment more than a quarter century ago, and our steady client base knows whom to trust for the best products, customer service and competitive pricing. We look forward to hearing from you.

Bob & Judy Grove

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GOVERNMENT, MILITARY, and PROFESSIONAL CLIENTS

Our web site is the primary source of information for our many government and professional clients. Full-frequency-coverage scanning receivers, high-end reception equipment, accessories, test equipment, and other products for eligible agencies will be found at ***www.grove-ent.com.***

- *DS suffix on product code means item is drop shipped from manufacturer. Please allow 10-14 days for delivery.*
- *MSRP is the manufacturer's suggested retail price.*
- *Prices and products subject to change without notice.*

RECEIVERS

ICOM R-75

FEATURES

DSP (Digital Signal Processing) The IC-R75 is capable of AF-DSP with a factory installed DSP plug-in module. It offers noise reduction, and auto notch filter capabilities.

Coverage: 0.03 - 60 MHz (0.1-29.99 and 50-54 MHz guaranteed)

Modes: AM, S-AM, FM, USB, LSB, CW, RTTY

Triple conversion superheterodyne receiver

The IC-R75 sports cutting edge technology for today's serious DX'er, yet it is easy and affordable enough for casual listener use.

Get PC control of the IC-R75 with optional RS-R75 software on CD ROM. Runs on Windows® 95; or Windows® 98 and comes with the necessary connection cable.

With its superior dynamic range of >104 dB, twin passband tuning (PBT) controls, and a large front mounted speaker, the IC-R75 offers unparalleled receive quality.

Selectable RF gain/squelch control / Attenuator / 1 Hz tuning resolution / 2 level preamp / Selectable AGC / Three timer functions: sleep, power OFF, power ON / Noise blanker / Single touch controls / 12 V DC Power (120 V AC adapter included) / Voice synthesizer (optional)

Supplied Accessories: AC adapter cable or DC power cable (depending on version), Spare fuse

Suggested Accessories:

ANT08 - Par Shortwave Antenna $59.95
ANT15 - LF Engineering H-800 Skymatch Active Antenna ... $139.00
ANT27 - LF Engineering H-900 Gain Probe Antenna $189.00
SFT24 - ICOM RS-R75 Remote Control Software $59.95
ACC03 - ICOM OPC-478 Computer Interface Cable $44.95

Order RCV32 Only $609.95

ICOM R9500

Within this catalog period, ICOM will announce the release to the American market the professional R9500 receiver, featuring continuous 5 kHz-3335 MHz coverage (cellular deleted on consumer models). Its high-resolution display doubles as a spectrum display unit and TV/video screen. Just look at these specifications:

Frequency coverage: 5 kHz -3335 MHz (3.335 GHz)
Dynamic range: 110 dB (HF)
Intermodulation distortion (IP3): +40 dBm (HF), +5 dBm (VHF/UHF)
DSP: 32 bit floating point for receiver and spectrum scope
Spectrum display span: 5 kHz (min) to 10 MHz (max)
Resolution bandwidth: 200 Hz-20 kHz
Scope attenuation: 10, 20, 30 dB selectable
Noise blanker: DSP with selectable memory for each channel's attenuation width, depth and blanking time
Digital IF filter: Adjustable shaping, bandwidth, center frequency characteristics, twin pass band tuning
IF roofing filters: 5 filters with selectable 240, 50, 15, 6 and 3 kHz widths
Detection modes: AM, AM synch (selectable sideband), USB, LSB, CW, FM, WFM
Dual-notch filter: 70 dB attenuation of two heterodynes with wide, middle, narrow bandwidths
VFO: 10 separate with storable frequency, mode, filter bandwidth and more
Digital audio recorder: Up to 60 minutes in highest quality, longer at lower quality
Memory channels: 1000 frequencies, modes, filter bandwidths and tuning steps; USB port accessible
AFC: tracks FM frequency shifts
Scan rate: 40 channels per second

Scanning schemes: Memory, program, frequency, priority, mode, auto memory write
Outputs: Voice squelch control (VSC), S/PDIF, Analog TV (NTSC/PAL), video in/out

Options: P25 digital demodulator, CI-V interface, RS232C

Pricing and availability not known at print time. Check back at www.grove-ent.com for up-to-date information.

ICOM PCR-1500 Mobile/Base Receiver

The IC-PCR1500 is a PC controlled receiver and all functions are controllable from mouse click or keyboard. It covers 0.01 to 3299.999MHz* in AM, FM and WFM modes and also covers 0.495 to 1300MHz* in SSB and CW modes. {Less cellular}

USB cable connection - The USB cable provides high data transmission and quick response. It is also possible to transfer the received audio to the connected PC via the cable and allow you to hear from the PC speakers or record the sound on the PC.

Multi channel monitor function - Up to 25 channel activities can be observed on the multi-channel monitor screen at a glance. Each channel status is visually displayed by three background colors. When you click a busy channel, you can easily start listening to the selected channel.

Order RCV15
Only $499.95

Government agencies order RCV15-G

ICOM R-1500 Mobile/Base Receiver

All the power and functionality of the PCR-1550 PLUS a remote controller head for mobile or base station use. Green, amber and yellow backlit color are user-selectable.

3 interface screens to choose from - Communications receiver, Component-style and Compact screens are selectable.

Supplied Accessories: AC Power, Antenna, USB Cable, Software Driver CD, Foot pad sheet, Cable hanger, LR-1500 remote controller head.

Order RCV25
Only $599.95

Government agencies order RCV25-G

Suggested Accessories:

ACC16 - ICOM UT-106 DSP Unit $139.95
CBL12 - ICOM OPC-441 Speaker Extension Cable $24.95
DCC12 - ICOM CP-12L DC Power Cord $27.95

ICOM PCR-2500 Mobile/Base Receiver

These two new receivers offer all the advanced features of the recently-released PCR1500 and R1500 receivers, plus dual-diversity reception, allowing you to monitor two frequencies simultaneously, and automatic receiver selection between two antennas for best signal!

Offering continuous 495 kHz to 3299.9999 MHz (excluding cellular bands on consumer models) and all modes (AM/FM/WFM/USB/LSB/CW), the low-profile PCR2500 is controlled by your computer. Or select the R2500 and choose between computer control or stand-alone, mobile or base operation with the full-featured front panel!

Order RCV35
Only $729.95

Government agencies order RCV35-G

ICOM R-2500 Mobile/Base Receiver

All the power and functionality of the PCR-2500 PLUS a remote controller head for mobile or base station use. Green, amber and yellow backlit color are user-selectable.

Supplied Accessories: Antenna, AC Adaptor, USB Cable, Setup disk.

Order RCV52
Only $899.95

Government agencies order RCV52-G

Suggested Accessories:

ACC16 - ICOM UT-106 DSP Unit $139.95
CBL12 - ICOM OPC-441 Speaker Extension Cable $24.95
DCC12 - ICOM CP-12L DC Power Cord $27.95

www.grove-ent.com

AOR AR5000A +3B

The AR5000A+3B triple-conversion receiver is acclaimed for its strong-signal handling, high sensitivity, sharp selectivity, extraordinary frequency coverage ***(10 kHz-3000 MHz, less cellular)***, compact size, frequency accuracy, long-term stability, and durability.

- AM, AM Synch, NFM, WFM, USB, LSB/CW
- Five Independent VFOs
- 2000 Memory Ch: 10 Banks; 1 Priority Ch
- 20 Search Banks with Auto-Memory Store
- Scan/Search Speed 45 channels/second ***(max.)***
- 2100 PASS Freqs may be stored in EEPROM
- DTMF Decoder

Order RCV44-P
Only $2569.95

Government agencies order RCV44-PG

Suggested Accessories:

ANT08 - PAR High-Performance Shortwave Ant.	$59.95
ANT11 - AOR DA3000 Wideband Discone	$139.00
ANT44 - AOR LA-380	$369.95
FTR01DS - Collins Mechanical Filter (500hz)	$109.00
FTR02DS - Collins Mechanical Filter (2.5kHz)	$109.00
FTR03DS - Collins Mechanical Filter (4.0kHz)	$109.00
FTR04DS - Collins Mechanical Filter (6.0kHz)	$109.00
ACC96 - CT5000 CTCSS decoder	$99.00
TST10DS - AOR SDU5600 Spectrum Display	$1449.95
ACC30 - AS5000 Antenna relay switch	$119.00
CBL05 - CR5000 recording cable	$29.00
ADP03 - F to N Adaptor	$3.50
ADP02 - F to PL259 Adaptor	$3.00

AOR 8600 MkII

Wideband, compact, multimode—all in one versatile package! Redesigned for improved sensitivity, dynamic range, internal rejection and audio quality. The AR8600 Mk II covers 100 kHz to 3000 MHz (less cellular on consumer models), and can be used mobile, base, or trans-portable. All-mode receive capability is combined with enormous operational flexibility, including computer control capability.
• Frequency coverage 100 kHz-3000 MHz no gaps (Cellular blocked) • All-mode reception of AM (wide and narrow), FM (wide, narrow, and super-narrow), USB, LSB, CW • High-stability TCXO·SSB with true carrier re-insertion • Versatile band scope with save-trace facility, Twin frequency readout with bar signal meter • Improved front end with VHF preselection • Detachable MW bar aerial• On/off display dimmer • Tuning steps programmable in multiples of 50 Hz in all modes• Noise limiter & attenuator • Write protect & keypad lock • Programmable scan & search• RS232 computer socket, Flash-ROM memory (no battery required) • Slot card sockets for AOR accessory upgrades

Order RCV11
Only $889.95

Suggested Accessories:

BRK01 - Mobile Mounting Bracket MM8600	$65.00
DCC01 - DC8600 DC cigarette lighter cable	$12.95
ACC22 - AOR P25-8600 APCO 25 Decoder	$178.95
ACC24 - CT8200 CTCSS decoder	$99.00
ACC25 - TE8200 tone eliminator	$57.95
ACC27 - EM8200 extended memory card	$79.00
ANT02 - Skywire	$29.95
ANT08 - Par Shortwave Antenna	$59.95
ANT39 - AOR SA7000 Base/Portable Ant.	$199.95
ADP09 - F to BNC adaptor	$1.50
FTR02DS - Collins Mechanical Filter (2.5kHz)	$109.00
FTR04DS - Collins Mechanical Filter (6.0kHz)	$109.00

Government agencies order RCV11-G

JRC NRD-545

The NRD-545 employs virtually every feature you want in a general coverage communications receiver. A continuous tuning range from 100 kHz-30 MHz ***{30MHz~2,000MHz with optional converter}*** with 13 tuning steps as fine as 10 Hz or as large as 100 kHz.

All mode reception (AM, USB/LSB, FM, RTTY, or CW) and SSB sensitivity of .32 microvolts capture the weakest signals. The 106 dB dynamic range and 70 dB image/IF rejection virtually eliminates spurious responses, as adjustable bandwidths from 10 Hz to 10 kHz, triple up-conversion, adjustable notch filter, and passband tuning approach interference-free reception.

Digital signal processing uses an algebraic operation method for signal detection, generation, inference, processing, or transmission. Compared to analog signal processing circuits, digital signal processors are more advantageous: They only require less precise components; they are robust against drift and interference; they are easier to integrate with high precision; and they offer greater flexibility with software processing.
FEATURES: •All-Mode Detection •Digital IF Filter •AGC •BFO •RF GAIN •Squelch •Tone Control •S-Meter •Noise Reduction •Beat Canceller •Noise Blanker •Notch Filter

Order RCV21DS
Only $1799.95

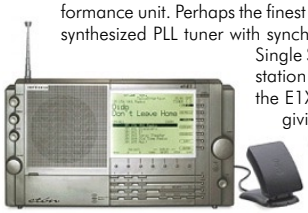
Gov. agencies order RCV21-DS-G - $2195.00

Suggested Accessories:

ACC 12-DS - CGD-197 High Stability Crystal	$99.95
ACC 11-DS - CHE-199 Wide band converter unit	$349.95
ANT02 - Skywire antenna	$29.95
SPK06DS - JRC NVA-319 external speaker ***(drop shipped)***	$210.00

Eton E1XM

The E1 is the world's first radio to combine AM, FM, Shortwave, and XM Satellite radio into one ultra-high-performance unit. Perhaps the finest portable in the world, the E1 offers powerful reception through its digitally synthesized PLL tuner with synchronous detector, passband tuning with selectable bandwidth filters and Single Sideband (SSB). Offering rich sound, the latest in radio technology, 1700 station presets, and memory scan function, the E1XM is designed without compromise, giving you direct access to news, sports, and music from around the world.



XM satellite service and pictured antenna sold separately.

Order RCV34
Only $499.95

Eton G-4000A

Looking for a really good, pocket, shortwave portable? Then you'll be pleased with the new Eton G4000A with its PLL precision tuning, continuous 150 kHz-30 MHz frequency coverage plus AM and FM stereo broadcast. Additional features are its selectable wide/narrow bandwidth filters, USB/LSB modes with infinite fine tuning, AM and FM broadcast coverage, 1/5/10 kHz selectable tuning steps, 40 scannable memory channels and its multifunction LCD display of time, frequency band, and 12/24 hour sleep timer. Use it on the go with 4 AA cells (not included) or at home with its AC adaptor (included); carrying case (7-3/4" x 4-5/8" x 1-1/4") and earphones included.

Order RCV23
Only $149.95

Eton E5 Shortwave Portable

Measuring only 6-1/2" x 4", this PLL-stabilized, dual-conversion powerhouse covers AM broadcast through 30 MHz, and FM (stereo with included earphones!) with fine-tuned SSB reception as well! Store your favorite frequencies in 700 memory channels with alpha identification; use the digital clock with world zone settings for timing and alarm. Display is backlit for night viewing. Direct-entry keypad assures accurate frequency selection; tune continuously with the adjustment knob, or press the auto-search key to scan or step manually. Includes AC adaptor for continual use or to recharge your NiMH batteries (not included); accepts AA alkalines as well! Handy, durable leatherette pouch included.

Order RCV10
Only $149.95

Eton S350DL Deluxe SW Portable

This professionally-styled portable provides great reception at a rock-bottom price! Measuring 13" by 7" and sporting a gutsy 4" speaker, the superior audio is contoured by separate bass and treble controls. Output jacks are provided for line-level stereo output to your sound system. Frequency coverage of AM, FM and 3-28 MHz shortwave is accomplished by concentric fast-and slow-tuning knobs. Sharp selectivity separates those closely-spaced stations! Powered by your choice of AA or D cells (and an AC wall adaptor is included), the S350DL sports a clock alarm, large backlit frequency display, telescoping whip, internal AM ferrite antenna, and external antenna connections for long-distance FM and SW reception.

Order RCV04
Only $99.95

GE Superadio... for Super AM/FM Reception!

The GE Superadio series has been a popular receiver for AM/FM DXers for years. The smooth vernier dial provides tuned RF on both AM and FM, while a ceramic IF filter and 7 tuned IF circuits provide outstanding selectivity.

The two-way speaker system with separate bass, treble and loudness controls assures solid, clean sound, and the [illegible] can be switched out for weak-signal hunting. The internal AM loop and FM whip antennas provide convenient portability, while external antenna jacks accomodate your long-distance antennas.

DISCONTINUED

Expertly designed and handsomely crafted, the GE Superadio III is powered by 120 VAC or six internal D cells (optional) with over 400 hours battery life!

7540 Highway 64 West Brasstown, NC 28902 (800) 438-8155 (828) 837-9200
fax: (828) 837-2216 email: order@grove-ent.com web: www.grove-ent.com
Technical Questions? (828) 837-9200 or tech@grove-ent.com. Due to high call volume, technical calls will be limited to 3 minutes.

www.grove-ent.com

Sangean ATS909

...Arguably the best compact portable on the market!

Measuring only 8-1/2" wide and weighing less than two pounds, this dual-conversion, PLL-synthesized receiver stores more than 300 memory frequencies from 150 kHz-30 MHz and FM broadcast! Choose wide or narrow filters to optimize reception, and listen to stereo FM from the headphone jack! A recorder jack allows you to preserve important broadcasts. Digital clock/sleep/timer with alarm shows 42 world cities' times; signal strength indicator assists in tuning. AC or battery powered with battery level indicator for convenience or emergency.

Alphanumeric display aids station recognition, and you can accurately direct-enter frequencies via the keypad, or manually search with the rotary tuning dial. Fine-tune those SSB stations with 40 Hz precision, or let the 909's automatic search feature find the strongest shortwave stations for your listening pleasure! What more could you wish for in an affordable, high performance, world band receiver?

Order RCV08
Only $239.95

Supplied Accessories:
AC Adaptor, manual, ANT60 portable reel antenna.

Sangean ATS505P

Sangean's most recent ATS505P is a dual-conversion portable with continuous coverage from 150 kHz-30 MHz as well as 88-108 MHz FM (stereo with earbuds, included), with AM and USB/LSB reception, and even includes an AC power supply and reel antenna. 45 scannable memories allow automatic sampling of saved frequencies, while auto preset determines which signals are the strongest for reception. Frequencies may be entered directly with the keypad, or continuously adjusted with the tuning dial.

Illuminated display shows frequency, 12/24 hour time, adjustable sleep/timer offers gradually-increasing alarm level; entire panel may be locked out to prevent misadjustments.

Order RCV07
Only $109.95

Supplied Accessories: Carrying case, power supply, reel antenna and stereo ear buds.

Sangean ATS-818ACS

This highly-successful portable has it all—150 kHz-30 MHz continuous frequency coverage with lighted digital display, AM/SSB detection with fine-tuned BFO, stereo FM reception, 54 memory presets, and an automatic, built-in cassette recorder to archive your favorite listening! A dual-time digital alarm clock with adjustable sleep timer, signal strength indicator with battery status, wide/narrow filter selectivity selection, headphone jack and adjustable RF, AF and tone controls all add to this feature-packed, dual-conversion receiver. Powered by either 4 D cells (not provided) or 120 VAC (wall adaptor included). Measures 12"W x 7-1/2"H x 3"D.

Order RCV18
Only $184.95

Kaito KA-1102

Order RCV02
Only $79.95

This quality receiver is made in the best radio factory in Asia and it receives all the stations in the shortwave spectrums, plus SSB. Thanks to the dual conversion technology, this radio has a super sensitivity in shortwave bands, but no noise. This unique digital radio starts FM from 70.0MHZ, most Campus radio stations can be tuned in within this range. The KA1102 can decode SSB Single Side Band broadcasts though it's SSB circuitry, 1 kHz tuning steps and clarifier.190 memories (10 pages of 19 / page 10 is used to allow SSB use) can store your favorite stations.

This radio comes with 3 Ni-MH AA rechargeable batteries, the AC adaptor not only works as DC power source, it charges the batteries automatically, the built-in charging system gives you full protection on the batteries and Radio itself. Stereo earphones, external wire antenna, carry pouch.

Last month, I ordered numerous antennas and accessories plus a new scanner. Service and delivery was excellent. Again, Thank You for the good service and good products. Grove Enterprises makes for many hours of Happy Monitoring!

- John A.

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SCANNERS

HAND-HELD BASE/MOBILE WIDE FREQUENCY COVERAGE

Uniden BCD396T Handheld Trunk Tracker

Imagine-all major trunking modes, APCO P-25 digital decoding, wide frequency coverage, Close Call signal capture, pre-programmed service searches, 6000 dynamically allocated memory channels, digital and PL tone squelch decoding, two-tone fire paging, user-selectable scan/search resume delay, any-channel activity alert, selectable search and tuning steps, computer control and wireless cloning, and many more remarkable features-all in one compact, hand-held scanner! Frequency coverage: 25-512, 764-776, 794-824, 849-869, 894-956, 1240-1300 MHz.

Suggested Accessories:

CAS09 - Leather Case for BC396T $19.95
CAS13 - Hard leather case w/ swivel clip $29.95
CAS14 - Hard Leather Case w/ belt loop ... $19.95
CBL14 - Uniden USB-1 USB Cable $24.95

Motorola® Astro®, SMARTNET®, SMARTZONE®, and PRIVACY PLUS®, M/A-COM Private Radio Systems Inc. EDACS® Wide, Narrow, and SCAT, and E.F. Johnson Co. LTR systems.

Order SCN47
Only $524.95

Uniden BCD-996T Mobile Trunking Scanner

Cutting-edge technology includes dynamic-allocated memory with GPS-controlled system reception and multi-system trunk tracking, Call Close Call™ reception of local signals, multi-system trunk tracking, unencrypted APCO 25 digital monitoring, and 25 MHz-1.3 GHz (excluding cellular and UHF TV frequencies) frequency range. Trunk Tracking of Motorola (Type I 800, Type II 800, 900, UHF, VHF, P25); EDACS (wide, narrow, SCAT); and LTR; multi-site Motorola and EDACS trunking for wide-area systems.

Suggested Accessories:

ANT26 - Super Stealth Mobile Magnet Antenna $19.95
SFT19 - Scancat Lite $29.95
CBL14 - Uniden USB-1 USB Cable $24.95

Order SCN48
Only $524.95

Uniden BR330T

HAND-HELD,WIDE-FREQUENCY-COVERAGE SCANNER!

Utilizing Trunk Tracker III capabilities combined with race-track features of the SC230, this new, function-packed scanner is designed for the sports enthusiast and public safety monitor alike! With continuous frequency coverage from 100 kHz through 1300 MHz (1.3 GHz, less cellular), you can tune in Motorola, LTR and EDACS analog trunking as well as AM, FM and TV broadcasting audio, and even use it for casual shortwave listening.

Store up to 2500 of your favorite channels into memory; set your scanner to respond instantly to any radio signal in its frequencyrange and display its frequency; use this scanner to respond to fire page-out tones; assign hot-keys for rapid selection.

Suggested Accessories:

CAS09 - Leather Case for BC396T $19.95
CAS13 - Hard leather case w/ swivel clip $29.95
CAS14 - Hard Leather Case w/ belt loop $19.95
CBL14 - Uniden USB-1 USB Cable $24.95

Order SCN30
Only $259.95

Uniden BC898T

The BC898T is designed to track the following types of trunking systems. Motorola Type I, Type II, Type IIi, Hybrid, SMARTNET™, and PRIVACYPLUS™ analog trunking systems*, which are extensively used in 800 MHz communication systems.

LTR trunking systems; EDACS trunking systems (including EDACS SCAT - Single Channel Autonomous Trunking) digital comms and can not be upgraded to do digital communications. Note: This is an analog only trunk tracker. It will not do APCO-25

Suggested Accessories:

ANT07 - Scantenna (50' cable & BNC) $49.95
ANT18 - Grove Scanner Beam $64.95
DCC03 - DC to DC Universal Adaptor $12.95

Order SCN44
Only $199.95

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www.grove-ent.com

Uniden BC246T

The BC246T uses a new dynamically allocated memory system, allowing the user to program its 3300+ channels into any configuration desired. While traditional scanners have been limited to only 10 banks, the BC246T groups channels into systems, allowing for 50 or more systems to be programmed and scanned simultaneously. Systems can still be quickly enabled or disabled using the 0-9 keys, and each system can have up to 10 groups of channels that are also available for quick selection. Uniden's exclusive Close Call™ RF Capture Technology zeroes in on nearby transmissions without the need for programming, even when the BC246T is in other modes, scanning, searching or holding on a frequency.

The BC246T comes complete with two NiMH AA batteries, AC Charger/Power Adaptor, RS-232 control, belt clip, antenna and manual. Key features include: Compact Size (2.72"x1.26"x4.6"); TrunkTracker III Technology (Motorola, EDACS, and LTR Analog Trunking); Comprehensive Analog Trunking including I-calls, Emergency Alert, Trunk Search and ID Blockout; Up to 2500 Channels, Dynamically Allocated; System, Channel Group and Channel Alpha Tagging; 25-54, 108-174, 216-225, 400-512, 806-956, 1240-1300 MHz Coverage; Close Call ™ RF Capture Technology; SAME Weather Alert; 10 Custom Search Ranges; 10 Preprogrammed Service Searches; Backlit Display; CTCSS/DCS Rapid Decode

Suggested Accessories:

ANT14 - Austin Condor Antenna $29.95
CAS08 - Nylon carry case $21.95
CAS11 - Hard Leather Case w/swivel Clip $29.95
CAS12 - Hard Leather Case w/belt loop $19.95
CBL14 - Uniden USB-1 USB Cable $24.95
DCC07 - Uniden DC cord UA502A..... $15.95
SFT19 - Scancat Lite $29.95

Order SCN46
Only $209.95

Uniden BCT8

The BCT8 is a state-of-the-art Trunk Tracking Scanner with BearTracker technology which will alert you when the highway patrol is within approximately a 3 mile radius. It can store 250 frequencies such as police, fire/emergency, marine, railroad, air, amateur, and other communications into 5 banks of 50 channels for a total of 250 channels.

FEATURES

- Pre-programmed frequencies specific to each state ***(except Hawaii)***, Trunked and conventional Highway Patrol frequencies.
- Highway Patrol Priority Alert - Receive audible and visual alert when within three miles of many Highway Patrol/State units.
- Pre-programmed for: Local Police and County Sheriffs; Fire and Emergency Medical Service; News Media; Weather ***(continuous NOAA weather and Canadian Coast Guard broadcasts);*** CB Radio; Aircraft; Railroads; Marine Band; Department of Transportation
- Trunk Tracking – Follow VHF High Band UHF 800MHz trunked public safety and public service systems just as if conventional two-way communications were used.
- Multi-Track – Track more than one trunking system at a time. Scan conventional and trunked systems at the same time.
- Data Skip – Allows your scanner to skip unwanted data transmissions and reduces birdies.
- Turbo Search – Increases the search speed to 300 steps per second. This applies only to transmission bands with 5 kHz steps.
- PC Programmable – Allows you to easily program all frequencies and Trunking Talk Groups into your BCT8 through Uniden BCT8 Scanning software running on your PC. ***(RS232C cable not included)***

Supplied Accessories: AD 140U-AC Adapter, DC Power Cord, CD007 Cigarette Lighter Adapter Plug, Telescopic Antenna, Window Mount Antenna, Operating Guide, Trunk Tracker Frequency Guide, BCT 8 Software V 1.0 (OS W98SE, ME, 2000, XP)

Suggested Accessories:

ANT26 - Super Stealth Mobile Magnet Antenna $19.95
SFT19 - Scancat Lite $29.95

Order SCN08
Only $169.95

Uniden BCT-15

Uniden's new BCT15 base/mobile scanner presents an enormous feature list: Wide 25-512, 764-956 and 1240-1300 MHz reception; 2500 memory channels with selective lockout for up to 500 systems, plus state-by-state preprogrammed public safety channels; simultaneous trunking and conventional scanning; simultaneous scan and search; Service Search of factory-pre-programmed public safety, news, weather, ham radio, marine, railroad, military and civilian aircraft, CB, FRS, GMRS, racing, TV and FM broadcasting, and special; 16 character alphanumeric display; searches up to 10 ranges in order; scan up to 100 channels per second and search up to 300; automatically tracks all major trunking systems (Motorola Type 1 and 2, EDACS, SCAT and LTR); PC control and cloning capability; CTCSS and DCS squelch tone decoder; priority scan and selectable delay; Close Call instantly captures any nearby transmission within its frequency range and can ignore pager, broadcasting and weather channels; two-tone fire page response; automatic memory store of search-discovered frequencies; selectable alert for emergency, Close Call, tone-out, weather, and individual channels; alert-tone volume adjustment; audio AGC balances audio levels from different signals; connect your GPS for location-based scanning and searching—and those are just for starters!

Order SCN15
Only $229.95

AOR AR8200 Mk III

The AR8200 Mark III leaves others behind, with a Temperature Compensated Crystal Oscillator that maintains frequency stability without regard to changing ambient temperatures. A new keyboard layout, improved illumination allow easy operation in a variety of conditions and new telescopic antenna included for better reception.

FEATURES:

- Frequency coverage 500kHz-3gHz (Cellular Blocked)
- All mode reception with Super narrow FM plus Wide and Narrow AM in addition to the standard modes
- True carrier re-insertion in SSB modes
- Detachable MW bar aerial with negative feedback
- Tuning steps programmable in multiples of 50Hz in all modes, 8.33kHz Airband step correctly supported
- Versatile band scope with save trace facility & Twin frequency readout with bar signal meter
- Arrow 4-way side rocker with separate main tuning dial
- Configurable keypad beep / illumination & LCD contrast
- Programmable scan & search including LINK, FREE, DELAY, AUDIO, LEVEL, MODE
- Computer socket fitted for control, clone & record, Flash-ROM memory (no battery required)

Supplied Accessories: Whip Antenna, MW Bar Aerial, 4 AA NiCad Batteries, AC Charger, Cigarette Adapter, Hand Strap, Belt Hook with 2 screws, Operating Manual.

Suggested Accessories:

CAS21 - Hard leather case LC8200 ..... $24.95
CAS25 - Soft leather case SC8200P $12.95
ACC24 - CT8200 CTCSS decoder $99.00
CBL08 - Computer control lead CC8200..... $109.00
SFT02W - Scancat Gold for Windows $99.95
ACC25 - AOR TE8200 Tone Eliminator $57.95
ACC27 - AOR EM8200 Extended Memory... $79.00
ANT11 - AOR DA3000 Wideband Discone .. $139.00
ANT12 - AOR MA500 Wideband Whip $99.00
ANT39 - AOR SA7000 Base/Portable Ant..... $199.95

Order SCN51
Only $579.95

Government agencies order SCN51-G

ICOM R20

FEATURES:

Frequency coverage 150KHz - 3.3 gHz (less cellular)
Modes of SSB/CW/AM/FM/WFM
Dual watch capability in specific bands
IC audio recorder built-in with selectable recording times of 1, 2 or 4 hours.
Auto squelch function
CTCSS/DTCS/DTMF decode
1250 memory channels: 1000 memory, 25 scan edge, 200 auto-write scan
Pre-programmed TV Audio channels
Voice Scan Control
AND MORE.....

Suggested Accessories:

BAT04 - BP-206 Li-Ion Battery Cell Assembly $46.95
DCC18 - CP-18A DC cord/Cigarette Lighter Cable $24.95
CAS07 - LC-158 carrying case $21.95
SFT13 - CS-R20 cloning sw + OPC-1382 cable (USB) $49.95

Order SCN20
Only $509.95

Government agencies order SCN20-G

ICOM R5

Crisp, clear audio. Super wide tuning range. A large, easy-to-read LCD display with the visual information you need - like operating status, signal strength, battery indicator, and alphanumeric naming for the 1250 memory channels ***(including 200 auto-write scan memories, and 25 scan edge pairs)***. Weather Alert keeps you informed of any weather emergencies. All in a compact, weather resistant package.

This little piece of electronic magic answers the request of the race car fan for a shirt-pocket-sized radio capable of storing the entire race field in one scanning bank. And, with each memory bank being soft portioned, you can program in the driver's name! Sweep the "pits" for additional frequencies with the 'R5's Auto Memory Write.

Frequency Range: 495kHz-1.3 gHz (less cellular)

Supplied Accessories: 2-Ni-Cd Cells, AC Adapter, Handstrap, Antenna, Belt Clip on US versions.

Suggested Accessories:

ACC03 - OPC-478 Computer Interface.$44.95
ACC05 - USB Interface OPC-478U.....$49.00
ADP33 - BNC female to SMA adaptor ..$3.50
CAS20 - Soft Case LC146A $19.95
SFT12 - Cloning Software CS-R5.....$35.00

Order SCN02
Only $199.95

Government agencies order SCN02-G

7540 Highway 64 West Brasstown, NC 28902 (800) 438-8155 (828) 837-9200
fax: (828) 837-2216 email: order@grove-ent.com web: www.grove-ent.com
Technical Questions? (828) 837-9200 or tech@grove-ent.com. Due to high call volume, technical calls will be limited to 3 minutes.

www.grove-ent.com

ICOM R3

Not only can you see receiver's operating status and spectrum scope, you can display broadcast visual information: TV programs, pictures from wireless cameras and more. The IC-R3 is great for viewing NTSC-format sporting events, security, Amateur TV, and you can watch your favorite program at anytime, anywhere. But, with a frequency coverage of 0.495kHz-2450 MHz (less cellular), and AM, FM, WFM modes built-in, the IC-R3 is not your average TV receiver! You've never seen anything like it!

Suggested Accessories:

ACC03 - OPC-478 Computer Interface..$44.95
ACC05 - ICOM OPC-478U USB Cable $49.00
BAT04 - BP-206 Li-Ion battery $46.95
CAS02 - Soft Leather Case LC151.....$19.95
DCC18 - Cigarette Cord CP18A.....$24.95
PWR15 - Desktop Charger BC135.....$69.95
SFT14 - Software for Win95/98 CSR3....$19.95

Supplied Accessories:

Belt clip, antenna, battery spacer, manual, Li-ion battery and wall charger on US versions

Government agencies order SCN07-G
NO Unblocked version available, it had been discontinued.

Alinco DJ-X10T

Order SCN01 Only $319.95

Imagine — listen to local or worldwide AM broadcasters; SSB communications ***(in 50 Hz fine tuning steps!)*** from international airlines, ocean vessels, hams, government, and military stations; NFM dispatch and tactical radio from local police, fire, and ambulance teams; air-to-ground civilian and military comms; business, weather, trains, and taxis; even FM and TV broadcast stations — all from one handheld radio! Measuring only 2-1/4"W x 6"H x 1"D and weighing a mere 11 ounces, the DJ-X10K offers continuous 100 kHz~2000 MHz {less cellular} coverage and all-mode reception ***(AM, WFM, NFM, USB, LSB, CW)***, high sensitivity, 1200 memory channel capacity in 30 banks, triple conversion superheterodyne design, 6 channel per second scan/search speed, 40 channel spectrum display, and clock timer.

Suggested Accessories:

ANT14 - Austin Condor Antenna $29.95
BAT21A - EBP-37N Alinco Battery $29.95
BAT22 - EDH-16 Drycell Battery Case..... $9.95
CAS19 - ESC-29 Soft Leather Case $12.95
DCC14 - EDC-36 Cig. adapter w/ filter.... $23.95

Alinco DJX2000T

This potent pocket portable uses cutting-edge technology to offer features not found in other scanners!

Features:

- 100 kHz-2.1 gHz frequency coverage (less cellular)
- High sensitivity (0.5 uV typical)
- Built-in band scope displays signals occupying 40 channels above and below your tuned frequency
- Flash Tune/frequency counter instantly monitors nearby 50-1300 MHz transmissions and displays frequencies
- Digital audio recorder stores nearly 3 minutes of received audio—or built-in mike pickup
- Direct keyboard frequency entry with full-keyboard key-press annunciator tone (defeatable)
- 2000 memory channels in 50 40-channel banks, cross-selectable by frequency or service
- Autostores up to 40 search-discovered frequencies with no duplicates
- Bar graph signal-strength indicator
  - Two-level attenuator reduces strong-signal overload
  - Digital voltmeter displays battery voltage
  - FM stereo headphone reception

Supplied Accessories: Manual, Antenna, Stand-up Charger, Ni-Cd Battery Pack, Belt Clip, Carrying Strap.

Order SCN10 Only $519.95

Suggested Accessories:

BAT21A - EBP-37N Alinco Battery $29.95
BAT22 - EDH-16 Drycell Battery Case..... $9.95
CAS19 - ESC-29 Soft Leather Case $12.95
DCC14 - EDC-36 Cig. adapter w/ filter.... $23.95

Government agencies order SCN10-G

Alinco DJ-X7

With continuous 100kHz-1300MHz frequency coverage (less cellular), you can catch the action on fire, public safety, traffic and many other frequencies, or just enjoy favorite music and news on broadcasting/TV stations with a receiver that fits in your shirt-pocket. Leading the way in miniature electronics technology with its revolutionary "credit card" size transceivers and multi-mode scanning receivers. This unit features 1000 memory channels, pre-set AM/FM/TV channels and 5 scan modes.

Order SCN03 Only $169.95

Suggested Accessories:

CAS10 - Alinco ESC-38 Softcase $13.95
DCC10 - Alinco EDH-32 Cigar-socket DC cable $15.95
CBL01 - Alinco ERW-4C PC Interface Cable..... $34.95

7540 Highway 64 West Brasstown, NC 28902 (800) 438-8155 (828) 837-9200
fax: (828) 837-2216 email: order@grove-ent.com web: www.grove-ent.com
Technical Questions? (828) 837-9200 or tech@grove-ent.com. Due to high call volume, technical calls will be limited to 3 minutes.

Ramsey ABM1 Aircraft Monitor

Monitor the entire 118-137 MHz civilian aircraft band at once, and there's no oscillator that could cause navigational interference on an aircraft! High sensitivity brings in all VHF aircraft signals within miles with no visible antenna (the ear bud cord is its antenna)! Adjust the volume to comfortable listening; set the squelch to limit distance; wear the inconspicuous monitor on a belt or in your pocket. Ideal for air shows, airline trips, air traffic monitoring.

Measuring only 2-1/2" x 4-1/2", the Ramsey ABM1 Aircraft Monitor runs off a 9-volt battery (not included); full operational/technical manual and privacy ear buds are supplied.

Order SCN05
Only $149.95

WiNRADiO SPEC CHART

Model No.	WR-G305e	WR-305i	WR-G313e	WR-G313i	WR-G303e	WR-G303i	WR-1550e
Stock Code	RCV53E	RCV53I	RCV31E	RCV31I	RCV46E	RCV46I	RCV47E
Description	Wideband Receiver	Wideband Receiver	Shortwave Receiver	Shortwave Receiver	Shortwave Receiver	Shortwave Receiver	Wideband Receiver
Receiver Type	DDS-based dual-conversion	DDS-based dual-conversion	DDS-based double-conversion SDR	DDS-based double-conversion SDR	DDS-based double-conversion SDR	DDS-based double-conversion SDR	PLL-based triple-conversion superhet
Construction	External USB	Internal PCI card	External USB	Internal PCI card	External USB	Internal PCI card	External serial
Frequency Range	9 kHz-1800 MHz	9 kHz-1800 MHz	0.009-30 MHz	0.009-30 MHz	0.009-30 MHz	0.009-30 MHz	0.15-1500 MHz
Modes	AM, AMN, AMS, LSB, USB, CW, FMN	AM, AMN, AMS, LSB, USB, CW, FMN	AM,AMS,LSB,USB, DSB,ISB,FM	AM,AMS,LSB,USB, DSB,ISB,FM	AM,AMS,LSB,USB,FM (also DSB, ISB with Professional Demodulator option)	AM,AMS,LSB,USB,FM (also DSB, ISB with Professional Demodulator option)	AM,LSB,USB,CW,FM-N,FM-W
Tuning Resolution	1 Hz	1 Hz	1 Hz	1 Hz	1 Hz	1 Hz	10 Hz (1 Hz for SSB and CW)
Dynamic Range	90 dB	90 dB	95 dB	95 dB	93 dB	93 dB	70 dB
IF Bandwidths	Unspecified	Unspecified	1 Hz-15 kHz (cont variable w/1 Hz res)	1 Hz-15 kHz (cont variable w/1 Hz res)	0.5 kHz (CW); 2.5 kHz(SSB);6 kHz(AM); 4 kHz(AMN); 4 kHz(AMS) 3, 6, 12 kHz (FM) (variable from 1 Hz to 15 kHz with Professional Demodulator)	0.5 kHz (CW); 2.5 kHz(SSB); 6 kHz(AM); 4 kHz(AMN); 4 kHz(AMS); 3, 6, 12 kHz (FM) (variable from 1 Hz to 15 kHz with Professional Demodulator)	2.5 kHz(SSB/CW); 6 kHz (AM); 15 kHz (FM-N); 230 kHz (FM-W)
IF Shift	Unspecified	Unspecified	±7.5 kHz	±7.5 kHz	-	-	±2 kHz
Scanning Speed	Unspecified	60 channels/s max	400 ch/sec w/1 kHz steps	400 ch/sec w/1 kHz steps	40 ch/sec	40 ch/sec	10 ch/sec (AM); 50 ch/sec(FM)
DSP	SDR	SDR	yes	yes	no	no	no
Spectrum Scope	yes	yes	yes	yes	yes	yes	yes
Visitune	no	no	yes	yes	yes	yes	yes
Task Manager	no	no	no	no	no	no	no
Audio Recording Playback	no	no	yes	yes	no {software required}	no {software required}	no {software required}
Signal Strength Recorder	no	no	no	no	no	no	no
Logger	no	no	no	no	no	no	no
XRS Capability	no	no	yes	yes	yes	yes	yes

Model No.	WR-3150e	WR-3150i-DSP	WR-3500e	WR-3500i-DSP	WR-3700e	WR-3700i-DSP
Stock Code	RCV48E	RCV48I	RCV49E	RCV49I	RCV50E	RCV50I
Description	Wideband Receiver	Wideband Receiver	Wideband Receiver	Wideband Receiver	Wideband Receiver	Wideband Receiver
Receiver Type	PLL-based triple-conversion superhet	PLL-based triple-conversion superhet	PLL-based triple-conversion superhet	PLL-based triple-conversion superhet	PLL-based triple-conversion superhet	PLL-based triple-conversion superhet
Construction	External serial	Internal ISA card	External serial	Internal ISA card	External serial	Internal ISA card
Frequency Range	0.15-1500 MHz	0.15-1500 MHz	0.15-2600 MHz	0.15-2600 MHz	0.15-4000 MHz	0.15-4000 MHz
Modes	AM,LSB,USB,CW,FM-N,FM-W	AM,LSB,USB,CW,FM-N,FM-W	AM,LSB,USB,CW,FM-N,FM-W	AM,LSB,USB,CW,FM-N,FM-W	AM,LSB,USB,CW,FM-N,FM-W	AM,LSB,USB,CW,FM-N,FM-W
Tuning Resolution	10 Hz (1 Hz for SSB and CW)	10 Hz (1 Hz for SSB and CW)	10 Hz (1 Hz for SSB and CW)	10 Hz (1 Hz for SSB and CW)	10 Hz (1 Hz for SSB and CW)	10 Hz (1 Hz for SSB and CW)
Dynamic Range	85 dB	85 dB	85 dB	85 dB	85 dB	85 dB
IF Bandwidths	2.5 kHz(SSB/CW); 6 kHz (AM); 15 kHz (FM-N); 230 kHz (FM-W)	2.5 kHz(SSB/CW); 6 kHz (AM); 15 kHz (FM-N); 230 kHz (FM-W)	2.5 kHz(SSB/CW); 6 kHz(AM); 6, 15, 50 kHz (FM-N); 230 kHz(FM-W)	2.5 kHz(SSB/CW); 6 kHz(AM); 6, 15, 50 kHz (FM-N); 230 kHz(FM-W)	2.5 kHz(SSB/CW); 6 kHz(AM); 6, 15, 50 kHz (FM-N); 230 kHz(FM-W)	2.5 kHz(SSB/CW); 6 kHz(AM); 6, 15, 50 kHz (FM-N); 230 kHz(FM-W)
IF Shift	±2 kHz	±2 kHz	±2 kHz	±2 kHz	±2 kHz	±2 kHz
Scanning Speed	10 ch/sec (AM)	10 ch/sec (AM)	10 ch/sec (AM)	10 ch/sec (AM)	10 ch/sec (AM)	10 ch/sec (AM)
DSP	no	yes	no	yes	no	yes
Spectrum Scope	yes	yes	yes	yes	yes	yes
Visitune	yes	yes	yes	yes	yes	yes
Task Manager	yes	yes	yes	yes	yes	yes
Audio Recording Playback	yes	yes	yes	yes	yes	yes
Signal Strength Recorder	yes	yes	yes	yes	yes	yes
Logger	yes	yes	yes	yes	yes	yes
XRS Capability	yes	yes	yes	yes	yes	yes

New WiNRADiO G305 Series

Convert your desktop PC into a most sophisticated radio monitoring station! The WiNRADiO WR-G305i is a software-defined PC-based wideband scanning receiver covering a frequency range from 9 kHz to 1800 MHz (optional down-converter to 3.5 GHz available).

The "G3" stands for "the third generation": As the original, award-winning, first-generation WiNRADiO WR-1000i receiver was the world's first commercially available wide-band receiver on a PC card when launched over a decade ago, the newly introduced WR-G305i is the world's first commercially available software-defined VHF/UHF receiver on a PCI bus card.

This Software Defined Radio (SDR) offers demodulation and last IF (intermediate frequency) processing entirely in software. Usually this means using a DSP, but in the case of the G305i, this processing is done on a personal computer using a sound card (most modern PCs are now faster and more powerful than many DSPs were only a few years ago). So, if you own a PC, the chances are that you already own an important part of a software defined radio receiver!

In addition to the flexible and friendly user interface, with its numerous functions and facilities not normally available on any conventional receiver, the WiNRADiO G305i receiver excels particularly by the ability of its demodulators.

While the Standard Demodulator provides performance of a highly respectable scanning receiver including synchronous AM demodulation and a real-time spectrum scope, the optional Professional Demodulator offers even more: continuous IF filter bandwidth adjustment (in 1Hz increments), interactive block diagrams with two additional audio spectrum scopes, and even inbuilt THD and SINAD measurement capability.

G305i

Frequency range from 9 kHz to 1800 MHz (except cellular bands where required by law), Software-defined demodulation, Extraordinary sensitivity, Tracking front-end filters, Excellent strong signal handling, Real-time spectrum analyzer, Spot-on tuning in 1Hz steps, Accurate signal strength indicator, Fast scanning speed, Multiple squelch modes, Very low phase noise, DRM decoder option, Standard PCI interface, 3.5 GHz down-converter option, Plug and Play installation

RCV53 ..... $519.95
Government Agencies Order RCV53-G

G305e

The G305e represents an external version of the WR-G305i receiver, with equivalent performance. The PC-based receiver is USB-controlled and compatible with modern desktop and laptop computers with USB interface.

RCV63E $619.95
Government Agencies Order RCV53EG

G305i/PD

The amazing G305i with the Professional Demodulator. The many additional features include: Continuously variable IF bandwidth 100 Hz - 15 kHz, user adjustable filter selectivity, WiNRADiO Digital Bridge™ compatibility, built-in test and measurement instrumentation, interactive block diagrams with two additional audio spectrum scopes, and even inbuilt THD and SINAD measurement capability.

RCV53P..... $619.95
Government Agencies Order RCV53P-G

G305e/PD

The amazing G305e with the Professional Demodulator. The many additional features include: Continuously variable IF bandwidth 100 Hz - 15 kHz, user adjustable filter selectivity, WiNRADiO Digital Bridge™ compatibility, built-in test and measurement instrumentation, interactive block diagrams with two additional audio spectrum scopes, and THD and SINAD measurement capability.

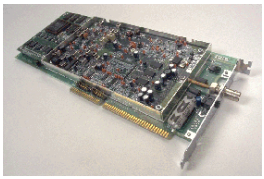
RCV63EP..... $719.95
Government Agencies Order RCV53EP-G

MOD09 – Wide FM option available for ALL G305 receivers..... $99.95.
This option is factory installed and requires 4 – 6 weeks for delivery.

WiNRADiO PC-based Receivers, 3000 Series

These medium-cost communications receivers provide cost-effective HF/VHF/UHF monitoring for professional applications in security, military, telecommunications and industrial applications.

WR3150i-DSP



The internal ISA card version is intended for stationary, discreet, compact applications, a favorite receiver for system integration and professional surveillance applications. The original advantages of its predecessor, the WR-3000i-DSP receiver (its compactness, easy system integration, multi-channel operation, no need for external cables or power supplies, no need for external interface ports or extra physical space), are now even more attractive with the improved performance of the WR-3100i-DSP model. Frequency range: 150kHz-1.5gHz (less cellular for consumer use)

RCV48I $1849.95
Government Agencies Order RCV48I-G

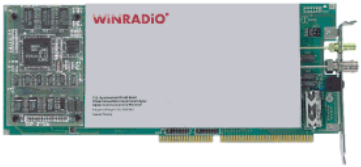
WR3150e

This is an external model with performance identical to the WR-3150i-DSP model (but no DSP facilities), contained in an elegant enclosure with RS-232 interface (PCMCIA Adapter optional). Very suitable for cost-effective HF/VHF/UHF monitoring applications in conjunction with portable computers. Frequency range: 150kHz-1.5gHz (less cellular for consumer use)

RCV48E $1849.95
Government Agencies Order RCV48E-G

WR3500i-DSP

This internal ISA card version is intended for stationary, discreet, compact applications, system integration and professional surveillance from 150kHz-2.6gHz (less cellular for consumer use). The receiver extends the freqency coverage of the WR-3150i-DSP receiver and also adds two extra IF bandwidths (6 kHz and 50 kHz for FM). These compact units are easy to integrate to multi-channel systems, and have no need for external cables, power supplies, external interface ports or extra physical space. Options include WiNRADiO Digital Suite, WiNRADiO Advanced Digital Suite, WiNRADiO Trunking Option and WiNRADiO Database Manager. DSP development kit for this model is available for third-party DSP application developers.



RCV49I $2395.95
Government Agencies Order RCV49I-G

WR3500e

This is an external model with performance identical to the WR-3500i-DSP model (but no DSP facilities), contained in an elegant enclosure with RS-232 interface (PCMCIA Adapter optional). Very suitable for cost-effective HF/VHF/UHF monitoring applications from 150kHz-2.6gHz (less cellular for consumer use) in conjunction with portable computers.

Software options include WiNRADiO Digital Suite, WiNRADiO Advanced Digital Suite, WiNRADiO Trunking Option, Universal FSK Decoder, and WiNRADiO Database Manager. Hardware options include the PC-card (PCMCIA) Adapter, USB Adapter, and Portable Power Source for truly portable battery operation.

RCV49E $2395.95
Government Agencies Order RCV49E-G

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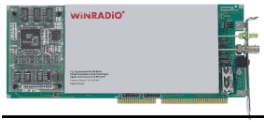
WiNRADiO WR3700i

This model is indentical to WR-3500i-DSP, except its frequency range is covers 150kHz-4gHz (less cellular for consumer use). Software options include WiNRADiO Digital Suite, WiNRADiO Advanced Digital Suite, WiNRADiO Trunking Option, Universal FSK Decoder, and WiNRADiO Database Manager.



DSP development kit for this model is available for third-party DSP application developers.

RCV50I $2895.95
Government Agencies Order RCV50I-G

WiNRADiO WR3700e

This is an external model with performance identical to the WR-3500e model, except its frequency range covers 150kHz-4gHz (less cellular for consumer use). Very suitable for cost-effective HF/VHF/UHF monitoring applications in conjunction with portable computers.

Software options include WiNRADiO Digital Suite, WiNRADiO Advanced Digital Suite, WiNRADiO Trunking Option, Universal FSK Decoder, and WiNRADiO Database Manager. Hardware options include the PC-card (PCMCIA) Adapter, USB Adapter, and Portable Power Source for truly portable battery operation.

RCV50E $2895.95
Government Agencies Order RCV50E-G

WiNRADiO 1550e

This is a wide-frequency-coverage external receiver similar to its popular predecessor WR-1500e with improved dynamic range, spurious signal rejection and selectivity. The frequency range is 150 kHz to 1.5 GHz (the US version excludes cellular frequencies 825-849 and 869-894 MHz). Native Macintosh accessories suitable for interfacing with Apple Macintosh are also available.

RCV47e..... $549.95
Government Agencies Order RCV47E-G

WiNRADiO Accessories

ACC 28 - PCMCIA PC Card (for external units)	$89.95
ACC02 - USB Interface cable (for external units)	$49.95
ACC06 - Telephone remote control (for external units)	$950.00
ACC14B - Client Server for 3000 Series	$399.00
ACC14C - Client Server for 1500 Series	$99.00
ACC14D - Client Server for WR-G313	$149.95
ACC36 - USB Adaptor for Mac (for external units)	$49.95
ACC37 - Interface Cable for Mac (for external units) RS-232	$19.95
ADP35 - Long-wire antenna adaptor	$39.95
CBL03 - Data cable for 1500/3000 receiver "data port"	$9.95
DEC01 - FSK decoder	$349.95
FTR06 - 40kHz MFM filter (for 1550e)	$200.00
SFT 15 - Digital Suite	$85.00
SFT15A - Advanced Digital Suite	$179.95
SFT15U - Upgrade to Advanced Digital Suite (SFT15 required)	$85.00
SFT 16 - World Radio Database Manager	$85.00
SFT 23 - Trunking Software	$89.95
SFT33 - WR WTCInet Software	$499.00
PWR05 - Portable Power Station (for external units)	$189.95
TST06 - RF Sniffer ERD-1500	$49.95
CVR02 - WiNRADiO WR-DNC-3500 Frequency downconverter	$189.95

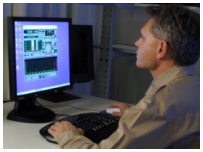
WINRADIO PROFESSIONAL PRODUCTS

Check out our professional website for government/military receivers and antennas!

WiNRADiO PC-based Receivers, G303 Series

The G303 Series receivers are low-cost, software-defined shortwave receivers for amateur and less-demanding professional applications.

G3



This is an internal model, where the entire front end of a very sensitive shortware receiver (9kHz-30MHz) is contained on a PCI card, extremely well-shielded against the effects of PC-generated interference. The demodulation is performed by the PC using advanced digital signal processing techniques. Simple "Plug and Play" installation.

See also the optional G303 Professional demodulator and DRM decoder which further enhance the performance of this popular, award-winning receiver.

RCV46 WR G303i.....$449.95
RCV46P WR G303i (bundled w/professional demodulator).....$549.95

The WiNRADiO WR-G303e is a software-defined PC-based HF receiver (9 kHz to 30 MHz). It represents an external version of the award-winning WR-G303i receiver, with equivalent performance.

The PC-based receiver is USB-controlled and compatible with modern desktop and laptop computers with USB interface. An optional serial interface is also available.

RCV46E WR G303e..... $549.95
RCV46E/P WR G303e (bundled w/professional demodulator)... $699.95

WiNRADiO PC-based Receivers, G313 Series

The G313 Series receivers are professional, software-defined shortwave receivers, for demanding monitoring and surveillance applications.

G3

This is an internal model, where the entire high-performance shortwave receiver (9kHz-30MHz) is contained on a PCI card, extremely well shielded against the effects of PC-generated interference. The demodulation is performed by an on-board DSP, which makes it possible to use multiple receivers in a single computer. Numerous functions and facilities include recording and playback (both audio and IF spectrum), IF shift, notch filter, noise blanker, and numerous test and measurements facilities including several spectrum analyzers. There are also numerous hardware options, factory-installed at the time of order. Simple "Plug and Play" installation.

RCV31 WRG313i..... $949.95

The WiNRADiO WR-G313e is a software-defined high-performance HF receiver (9 kHz to 30 MHz, optionally extendable to 180 MHz) with a USB interface, an external version of the acclaimed WR-G313i receiver.

The receiver connects to an IBM-compatible PC via the USB port. Several receivers can be controlled by a single PC to form a multi-channel HF receiver system.

The receiver has its own on-board DSP, and does not rely on the PC sound card for its performance. As the DSP performs the final stage IF filtering and all demodulation, this receiver is entirely software-defined, which means that additional demodulation or decoding modes can be easily added by a mere software change.

RCV31E WRG313e.... $1149.95

G3 Modifications

OPTIONS ARE FACTORY INSTALLED AND WILL TAKE 4-6 WEEKS FOR DELIVERY. To order a receiver with any of the options, simply add the option code(s) to the receiver model number. For example, for a 180MHz receiver with external reference oscillator, the model number will be G313i/180/XR. Options can be mixed together (except the IF options where only one can be selected, i.e. IF1 and IF4 cannot be selected at the same time).

MOD04 - Frequency Extension Option (G313/180) $249.95
MOD05 - External Reference Oscillator Option (G313/XR) $199.95
MOD06 - Reference Oscillator Output Option (G313/RO) $149.95
MOD07 - Intermediate Frequency Output Option 10.7 MHz (G313/IF1) $249.95
MOD08 - Intermediate Frequency Output Option 45 MHz (G313/IF4) $199.95

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RECEIVER SPEC CHART

RECEIVER	AOR 5000A+3B	AOR 8600 MK II	ICOM R-75	JRC NRD-545	SANGEAN ATS-505P
Grove Order	RCV 44P	RCV11	RCV32	RCV 21	RCV07
Frequency Range	10kHz ~ 3000MHz	100kHz - 3000 MHz	0.03-60.0000 MHz	0.1-29.99MHz *{30~2,000MHz w/converter}*	150 kHz-30 MHz; 88-108 MHz FM
Keypad Entry?	Yes	Yes, Tuning Dial	Yes	Yes, Tuning Knob	Yes, Tuning Dial
Tuning Steps	NCO 1Hz-999.999999kHz	Prog multiples 50 Hz	1HZ	1 HZ-100kHz	9/10 kHz Switch
Display	Multi-function LCD w/7 character alpha-text	Backlit LCD, Alpha-Numeric	Backlit LCD	Backlit LCD	Backlit LCD
Dimmer	Yes	No	No	Yes	No
Receiving Modes	AM, AM Synch, NFM, WFM, USB, LSB/CW	WFM, NFM, SFM, WAM, AM, NAM, USB, LSB, CW	USB, LSB, CW, RTTY, AM, S-AM, FM	USB, LSB, CW, RTTY, AM, FM, WFM *(w/converter)*	AM, FM, USB, LSB
Memory Channels	2000	1000	101	1000	45
Scan	45 Ch Sec	37 inc sec max	5 Scan Modes	Yes	Yes
Search	45 St Sec	37 inc sec max	No	Yes	Yes
Delay	Programmable	Yes, Tuning Dial	No	No	No
Clock	Sleep Timer, Alarm	Unspecified	3 Timer Functions, Dual	Clock, On/Off Timer	12/24 Hour, Adjustable Sleep Timer
Audio output (typical)	1.7 watts into 8 ohms (@ 13.5V) @ 10% dis	800mW (8 OHMS) MAX @ 10% THD	More than 2.0W @10% distortion w/8 load	1W or more (4 ohm load and 10% distortion)	Unspecified
Record Audio Output	Yes	No	No	Yes	No
Recorder Activator	Yes	Optional Slot Card	No	No	No
Signal Strength Ind	Analog S-Meter	Bargraph	Bargraph	Analog S-meter	No
Computer Interface	RS232	RS232	RS232	RS232	No
Conversion Scheme	Triple	Triple	Triple	Triple	Unspecified
Sensitivity (Typical)	0.6uV	N/A	SQL sensitivity (threshold): SSB, CW, RTTY: Less than 5.6 µV (Preamp 1 ON) FM: Less than 0.32 µV	Unspecified	Unspecified
Selectable Attn	Yes	Yes	Yes	Yes	No
IF Selectivity	Unspecified	SSB/NAM 3kHz (-6dB), 9kHz (-60dB) AM/SFM 9kHz (-6dB), 20kHz (-40dB) WAM/NFM 12kHz(-6dB), 25kHz (-40dB) WFM 150kHz(-3dB), 380kHz (-20dB)	SSB, CW, RTTY: More than 2.1 kHz/-6dB, Less than 4.0 kHz/-60dB AM, S-AM: More than 6 kHz/-6dB, Less than 20 kHz/-60dB FM: More than 12 kHz/-6dB, Less than 30 kHz/-60dB	USB, LSB, CW, RTTY; (5 µV); (2 µV); (0.32 µV) AM;(15.8 µV)(6.3 µV);(2 µV); (3.2 µV) FM;(0.5 µV); (0.8 µV);	Unspecified
Passband Tuning	Low Pass/High Pass Filters	No	Yes, Twin	Pass Band Shift	No
Antenna Connector	N, SO239	BNC	SO239, Springload	SO239, Spring Loaded	1/8 " Mini Plug
Dimensions (WxHxD)	8.5 x 4 x 10 1/4	155 x 5 x 195 mm	9.5 x 3.7 x 9.1in	330 x 130 x 285 mm	Unspecified
Weight	7.5 lbs	2kg approx	6 lbs 10 oz	7.5 kg	Unspecified
Power Requirements	12-16 VDC @ 1.5 A max.; AC adaptor included	120 VAC supplied	13.8 V DC ±15% (negative ground)	12-16 VDC (13.8VDC standard) Supplied	4 AA or 12 VDC Supplied
Accessories Included	Power Supply, Manual	Telescopic Whip, MW Bar, Manual, Power Supply	AC Power, Manual, Fuses	Power Supply, Manual	Case, Stereo Ear Buds, Reel Antenna, Power Supply

RECEIVER SPEC CHART

RECEIVER	SANGEAN ATS-909	SANGEAN 818ACS	ETON S350DL	ETON E5	ETON E1XM	ETON G-4000A
Grove Order	RCV 8	RCV 18	RCV04	RCV10	RCV34	RCV 23
Frequency Range	150 kHz-30 MHz; 88-108 MHz FM	87.5-108 MHz; 150-519 kHz; 520-1710 kHz;1.711-29.999 MHz	AM 530-1710 KHz; FM 88-108 MHz; SW 3-28 MHz	AM, FM-Stereo and Full-Shortwave Coverage (1711-29999 KHz)	100-30,000 kHz, 87-108, 76-90 MHz, XM Satellit	520-1710kHz, 144-351kHz, 1.600-30MHz, 87.5-108MHz
Keypad Entry?	Yes, Tuning Dial	Yes, Tuning Dial	No, Tuning knob	Auto-Scan, Manual-Scan, Direct Key,Tuning Knob	Tuning knob, Keypad, Up/Down, Auto-tuning	Yes, plus one touch tuning.
Tuning Steps	40Hz-100kHz	Unspecified	Unspecified	Selectable 9/10 kHZ AM Tuning Steps	Unspecified	AM 1k/9k/10k; FM 50k; SW 1K/5K; LW 1K/9K
Display	Backlit LCD	Backlit 3 color LCD	Backlit LCD	Backlit LCD, On/Off, 15 sec	Digital Display: 5.7 inch square, 240 x 320 pixel, dot matrix	Backlit LCD
Dimmer	No	On/Off	On/Off		No	On/Off
Receiving Modes	AM, FM, USB, LSB	FM, LW, MW, SW	AM, FM, SW	AM, FM-S, SW	AM, FM-stereo, Single Sideband (selectable USB/LSB) and CW, XM	AM, FM, LW,SW
Memory Channels	306	54	No	700	1700	40
Scan	Yes	Yes	No	Yes	Unspecified	Yes
Search	Yes	No	No	No	Unspecified	No
Delay	No	No	No	No	Unspecified	No
Clock	42 World City Times; 3 Timers; Adj Sleep Timer; Dual Time	12/24 Hour, Dual, Standby Mode	Digital12-24 Hr; Wake/Sleep Timer	Clock, Sleep Timer, Four Timers	Dual Programmable Clocks w/ WWV Auto-Setting	Dual 12/24 Hour, Alarm/Sleep Timer
Audio output (typical)	1W or more	Nominal 800 mW at 10% T.H.D.	Unspecified	Unspecified	Unspecified	600mW
Record Audio Output	Yes	No	Line Out	Line Out	Yes	No
Recorder Activator	Yes	Yes	No	No	No	No
Signal Strength Ind	Bargraph	Bargraph	Yes	Yes	LCD signal strength meter	Bargraph
Computer Interface	No	No	No	No	No	No
Conversion Scheme	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified	Double
Sensitivity (Typical)	0.5uV	Unspecified	Unspecified	Unspecified	N/A	N/A
Selectable Attn	No	No	No	No	Unspecified	N/A
IF Selectivity	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified	N/A
Passband Tuning	No	No	No	No	Yes	No
Antenna Connector	1/8 " Mini Plug	1/8" Mini Plug	1/8" Mini Plug	1/8" Mini Plug	Yes	1/8" MINI
Dimensions (WxHxD)	8 1/4 x 5 x 1.5	296 x 192 x 68 mm	12-1/2 x 7 x 3-1/2	6-5/8 x 4-1/8 x 1-1/8	13.1 x 7.1 x 2.3	7.75 x 4.62 x 1.75
Weight	30 oz	2000 g	3 lb. 4 oz	12.2 oz	4lbs. 3oz.	1.5 lbs
Power Requirements	4 AA or 12 VDC Supplied	DC: 4 each D size batteries; 3 each AA size batteries; AC: 6 volt DC Supplied	4 D or AA Batteries (not included) or AC Adapter (included)	4 AA batteries (not included); AC Adapter (included)	4 D batteries (not included) or AC adaptor (included).	6 AA Cells or 9 VDC Supplied
Accessories Included	Manual, AC Power Supply, Reel Antenna, Case	Manual, AC Power	Manual, AC Power	Owner's Manual, Protective Case, AC Adapter/Charger and Warranty Card	Manual, AC Power Supply	AC Adaptor, Compact Reel Antenna, Carrying Case, Manual

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ICOM PC-Based SPEC CHART

RECEIVER	IC-PCR1500	R-1500	PCR-2500	R-2500
Grove Order	**RCV 15**	**RCV 25**	**RCV 35**	**RCV 52**
Frequency Range	0.010-3299.99MHz	0.010-3299.99MHz	0.01 - 3299.999 MHz	0.01 - 3299.999 MHz
Tuning Steps	1 HZ MIN	1 HZ MIN	1 HZ MIN	1 HZ MIN
Receiving Modes	AM,FM,WFM,USB,LSB,CW	AM,FM,WFM,USB,LSB,CW	AM,FM,WFM,USB,LSB,CW	AM,FM,WFM,USB,LSB,CW
Memory Channels	Up to 2700, inc. 100 scan edges	Up to 2700, inc. 100 scan edges	Up to 2600 memory channels per file	Up to 2600 memory channels per file
DISPLAY	3 Interface Screens	3 Interface Screens	3 Interface Screens	3 Interface Screens
Bandscope	2 Types	2 Types	2 Types	2 Types
Scan	60 Ch Sec	60 Ch Sec	Unspecified	Unspecified
Search	Unspecified	Unspecified	Unspecified	Unspecified
Delay	Unspecified	Unspecified	Unspecified	Unspecified
Clock	Unspecified	Unspecified	Unspecified	Unspecified
Audio output (typical)	More than 500 mW @ 10% distortion w/8Ω load	More than 500 mW @ 10% distortion w/8Ω load	More than 500mW at 10% distortion with an 8Ω load	More than 500mW at 10% distortion with an 8Ω load
Record Audio Output	External Speaker	External Speaker	External Speaker	External Speaker
Recorder Function	Yes	Yes	Yes	Yes
DSP	Optional	Optional	Optional	Optional
Signal Strength Ind	Yes	Yes	Yes	Yes
Computer Interface	Yes	Yes	Yes	Yes
Conversion Scheme	Triple	Triple	Triple	Triple
Sensitivity (Typical)	FM (1 kHz/3.5 kHz Dev.; 12 dB SINAD)WFM (1 kHz/52.5 kHz Dev.; 12 dB SINAD)AM (1 kHz/30% MOD.; 10 dB S/N	FM (1 kHz/3.5 kHz Dev.; 12 dB SINAD)WFM (1 kHz/52.5 kHz Dev.; 12 dB SINAD)AM (1 kHz/30% MOD.; 10 dB S/N		
Selectable Attn	Yes	Yes	Yes	Yes
IF Selectivity	SSB/CW/AM More than 2.8 kHz/–6 dB (typical) SSB/CW/AM/FM More than 6.0 kHz/–6 dB (typical) AM/FM More than 15 kHz/–6 dB (typical) AM/FM/WFM More than 50 kHz/–6 dB (typical) WFM More than 230 kHz/–6 dB (typical) • AF output power (at 12.0 V DC) : More than 0.5 W at 10% distortion with an 8 Ω	SSB/CW/AM More than 2.8 kHz/–6 dB (typical) SSB/CW/AM/FM More than 6.0 kHz/–6 dB (typical) AM/FM More than 15 kHz/–6 dB (typical) AM/FM/WFM More than 50 kHz/–6 dB (typical) WFM More than 230 kHz/–6 dB (typical) • AF output power (at 12.0 V DC) : More than 0.5 W at 10% distortion with an 8 Ω	SSB/CW/AM More than 2.8 kHz/–6 dB (typical) SSB/CW/AM/FM More than 6.0 kHz/–6 dB (typical) AM/FM More than 15 kHz/–6 dB (typical) AM/FM/WFM More than 50 kHz/–6 dB (typical) WFM More than 230 kHz/–6 dB (typical) • AF output power (at 12.0 V DC) : More than 0.5 W at 10% distortion with an 8 Ω	SSB/CW/AM More than 2.8 kHz/–6 dB (typical) SSB/CW/AM/FM More than 6.0 kHz/–6 dB (typical) AM/FM More than 15 kHz/–6 dB (typical) AM/FM/WFM More than 50 kHz/–6 dB (typical) WFM More than 230 kHz/–6 dB (typical) • AF output power (at 12.0 V DC) : More than 0.5 W at 10% distortion with an 8 Ω
Passband Tuning	Tuned bandpass filters for VHF/UHF bands	Tuned bandpass filters for VHF/UHF bands	Unspecified	Unspecified
Antenna Connector	BNC	BNC	BNC	BNC
Dimensions (WxHxD)	53⁄4)×15⁄8×81⁄8 in	53⁄4×15⁄8×81⁄8 in	$5^{3}/_{4}$×$1^{5}/_{8}$×$8^{1}/_{8}$ in	$5^{3}/_{4}$×$1^{5}/_{8}$×$8^{1}/_{8}$ in
Weight	2 lb 10 oz	2 lb 10 oz	3 lb	3 lb
Power Requirements	12.0 V DC ±15%	12.0 V DC ±15%	12.0 V DC ±15%	12.0 V DC ±15%
Accessories Included	AD-113A AC Power, Antenna, USB Cable, Software/Driver CD, Foot Pad Sheet, Cable Hanger	AD-113A AC Power, Antenna, USB Cable, Software/Driver CD, Foot Pad Sheet, Cable Hanger, Remote Controller Head.	AD-113A AC Power, Antenna, USB Cable, Software/Driver CD, Foot Pad Sheet, Cable Hanger	AD-113A AC Power, Antenna, USB Cable, Software/Driver CD, Foot Pad Sheet, Cable Hanger, Remote Controller Head.

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SCANNER SPEC CHART

Scanner	ALINCO DJX-10T	ALINCO DJX-2000T	ALINCO DJ-X7	AOR 8200 MKIII-B	ICOM R-3
Grove Order	SCN 1	SCN 10	SCN 3	SCN 51	SCN 7
Frequency Range	100kHz~2000MHz *{less cell}*	100 kHz-2150 MHz *{less cell}*	0.100 - 1299.995MHz *{less cell}*	500KHz-2040MHz *{less cell}*	0.495-815.995, 902-2450.095 MHz
Keypad Entry?	Yes	Yes	No	Yes	No
Tuning Steps	Auto; 50Hz-500kHz Selectable	Auto; 50Hz-500kHz Selectable	Auto; 5Hz-200kHz Selectable	Program Multiples 50 Hz all modes	5kHz-100kHz Selectable
Display	LCD; Alpha-Numeric	LCD; Alpha-Numeric	LCD	LCD; Alpha-Numeric	LCD; Alpha-Numeric
Dimmer	On/Off Option	On/Off Option	On/Off Option	On/Off	On, Off, 5 Sec
Receiving Modes	WFM, NFM, AM, CW, USB, LSB, AUTO	NFM/WFM, AM, CW, USB, LSB, AUTO	AM, FM, WFM	WFM, NFM, SFM, WAM, AM, NAM, USB, LSB, CW	FM, WFM, AM, AM-TV video (30-900 MHz), FM-TV video (above 900 MHz), NTSC format.
Memory Channels	1200	2000	1000	1000	450 Plus 50 Scan Edges
Scan	25 Chan Sec	3 Chan Sec	20 Chan Sec	Max 50 Steps Sec	Scan Types with priority watch, Programmed: 16.7 channels/sec. Memory: 6.25 channels/sec.
Banks	30	50	50	20	8
Channel Lockout	Yes	Yes	Yes	Yes	Yes
Priority	1	1	2	1	3 Types
Search	6 Steps Sec; 20 Bands; 3 Modes	29 Steps Sec; 20 Bands;	No	Max 37.42 Steps Sec; 40 Banks	Yes
Delay	Selectable	Selectable	5 Sec	Selectable	Yes
Clock	24Hr/On-Off Timer	24Hr/On-Off Timer	Off Timer	No	No; Power Save; Power Off
Audio Output (typical)	100mW	100mW	Max 100mW or more (8ohms)	180mW	4.5 V DC: 100 mW Typical @10% Distortion w/8Ω Load
Record Audio Output	No	3 min.Internal IC; Sound Activated	No	Optional Accessory	Video/Audio Out
Spk/Hdp Jack	Yes	Yes	Yes	Yes	Yes
Signal Strength Ind	DOT Matrix Bargraph	DOT Matrix Bargraph	Yes	Band Scope	LCD Bargraph; Bandscope
Computer Interface	PC Programmable; Real Time Controlable	PC Programmable; Real Time Controlable	Yes	Control, Clone	PC Data, Clone
Conversion Scheme	Triple	Triple	Triple NFM/AM; Double FM	Triple	Triple
Sensitivity (Typical)	0.45uV	0.45uV	0.45uV	0.45uV	0.45uV
Selectable Attn	Yes	Yes	Yes	Yes	Yes
Antenna Connector	BNC	BNC	SMA	BNC	BNC
Dimensions (WxHxD)	2-1/4 x 6 x 1-1/16 in	57 x 150 x 27.5 mm	58 x 96 x 14.5 mm	61 x 143 x 39 mm	2 13/32 x 4 23/32 x 1 9/32 in.
Weight	11 oz	200 Grams	103g antenna/battery inclusive	12 oz	10.6 oz
Power Requirements	8~15V DC, 4.8V Ni-CD; 4 AA Dry Cell	4.8V DC (Ni-Cd), 7.2V DC (Ni-Cd), 6V DC(AA battery)	DC3.7V (external DC port DC3.7V-6.0V)	4 x AA; 12VDC	3.6-6.3 V DC, 4 AA Alkalines, Battery Pack
Accessories	Antenna, Belt Clip, Carry Strap, Battery Pack, Drop-in Charger, Manual	Antenna, Belt Clip, Wrist Strap, Battery Pack, Drop-in Charger, Manual	Instruction manual , Li-Ion Battery pack EBP-58N (3.7V 600mAh); Adapter EDC-126 (120V) or EDC-128 (220V) 6.0V 0.5A; SMA whip antenna; Antenna cap; Curl-cable earphone	Whip Antenna, MW Bar Aerial, 4 AA NiCad Batteries, AC Charger, Cigarette Adapter, Hand Strap, Belt Clip, Manual	Antenna, Belt Clip, AA Battery Spacer, Li-Ion Battery, AC Wall Charger, Manual

SCANNER SPEC CHART

Scanner	ICOM R-5	ICOM R-20	UNIDEN BC-246XLT	UNIDEN BCD-996T
Grove Order	SCN 2	SCN 20	SCN 46	SCN 48
Frequency Range	0.150–823.995, 849.000–868.995, 894.000–1309.995	0.150–821.999, 851.000–866.999, 896.000–1304.999, 1305.000–3304.999	25-54, 108-174, 216-225, 400-512, 806-956, 1240-1300 MHz	25-512, 764-775.9875, 794-823.9875, 849.0125-868.9875, 894.0125-956, 1240-1300 MHz
Keypad Entry?	No	Yes	Yes	Yes
Tuning Steps	5kHz-100kHz Selectable	0.1kHz-100kHz Selectable	5, 10, 12.5, 25 kHz	5-100 kHz Auto
Display	LCD Backlight w/Timer; Alpha-Numeric	Backlit dot-matrix LCD	Backllit LCD	Backlit LCD
Dimmer	No	Auto 5 sec; On/Off	Selectable	User Prog & 2 Color Backlight
Receiving Modes	AM/FM/WFM; Prepro TV & Shortwave.	SSB/CW/AM/FM/WFM	AM, WFM, NFM, Trunked at 3600 & 9600 Baud; Mixed Mode; Motorola Type I, II VHF, II UHF, Type II 800 MHz, Type II 900 MHz, Ericsson/M/A Com EDACS Wide, Narrow, SCAT, EF Johnson LTR	AM, FM, NFM, WFM/FMB, Motorola (Type I 800, Type II 800, 900, UHF, VHF, P25); EDACS (wide, narrow, SCAT); and LTR; multi-site Motorola and EDACS trunking for wide-area systems
Memory Channels	1250	1250	3300+	Dynamic allocation. Construction: 400 Systems. 6000 Channels* Maximum Systems: 400 Maximum Channel Groups per System: 20 Maximum Channels in a Trunked System: 200 Maximum Channels in a Conventional System: Limits of memory
Scan	7 Scan Types with priority watch, Programmed: 16.7 channels/sec. Memory: 6.25 channels/sec.	Multiple scan functions:100Ch/sec high speed scan capability	100 Ch Sec conventional mode	100 CH/Sec. in Scan Mode (max)
Banks	18	26	Dynamic Memory Management	Dynamic Allocation
Channel Lockout	No	Yes	Yes	200
Priority	3 Types	Yes	Yes	Scan & Plus
Search	Yes	6 Types	300 Stp Sec 5 kHz step only	100 St Sec; 300 Steps/Sec.Search Mode; Turbo 5 kHz step
Delay	2-20 Sec	Yes	2 Sec	1-5 Sec; Off
Clock	No; Power Save; Power Off	Auto Power Off Timer	No	No
Audio Output (typical)	100mW Typ @10% Distortion w/8Ω Load	100 mW typical at 10% distortion with an 8 Ω load	2W nominal into 8. internal speaker	2.6W nominal into 8Ω speaker 30mW nominal into 32Ω stereo headphone:
Record Audio Output	No	IC recorder of up to 32 tracks. Max record length about 260 min	No	REC. Out Jack 3.5mm (1/8-in.) Stereo Type
Spk/Hdp Jack	Yes	Yes	Yes	3.5mm (1/8-in.) Stereo Type; 3.5mm (1/8-in.) Monaural Type
Signal Strength Ind	LCD Bargraph	Yes	Unknown	Yes
Computer Interface	PC Data, Clone	PC Data, Clone	PC	4pin Mini Type
Conversion Scheme	Triple	Triple	Triple	Triple
Sensitivity (Typical)	0.45uV	0.45uV	0.45uV	0.45uV
Selectable Attn	Yes	Yes	Yes	Yes
Antenna Connector	SMA	BNC	BNC	BNC
Dimensions (WxHxD)	29⁄32 × 33⁄8 × 11⁄16 in	2 3⁄8 X 5 19⁄32 X 1 3⁄8 in	2.72 x 1.26 x 4.6 in	7.2 x 5.9 x 2.2 in
Weight	6.5 oz	11.3 oz (with the ant. and BP-206)	0.48 lbs	3.46 lbs
Power Requirements	2 × AA *(R6)* Ni-Cd or Alkaline Cells; 6.0V DC ±5%	3 AA cells, BP-206 Li-ion battery pack (with AC adaptor, BC-149A/D or CP-18A/E)	2 AA Alkaline Batteries (3V DC), or 2 AA Rechargeable Ni-MH Batteries (2.4V DC), or AC Adapter (6 VDC 500mA) (AD-0008)	DC 11.0V to 16.6V AC Adapter (AD-1009) or Cigarette Lighter Cord or DC Cord with Orange Wire
Accessories	Ni-Cd Cells, AC Adapter, Handstrap, Antenna, Belt Clip, Manual	Telescoping Antenna (FA-B04RE), Belt clip (MB-98), Battery spacer, Hand strap, Battery pack* (BP-206), AC adaptor*(BC-149A/D) *(The shape of the BC-149A and BC-149D are different.)*	RS-232 PC Cable, Wrist Strap, AC Charger/Power Supply, 2 AA Ni-Cads, Belt Clip, Antenna, Manual, Frequency Guide.	AC Adapter, Cigarette Lighter Adapter Power Cord, Three wire DC Power Cord, ISO-DIN Mounting Bracket and Hardware, DIN-E Sleeve and Removal Keys for vehicle installation, Push-on type telescopic antenna, Remote PC to Scanner Cable (scanner plug to front PC connector), Owners Manual (148 pages)

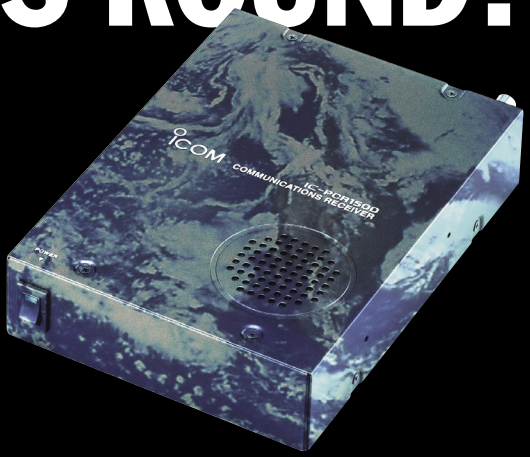
SCANNER SPEC CHART

Scanner	UNIDEN BCD396T	UNIDEN BC-898T	UNIDEN BCT-8	UNIDEN BCT-15	UNIDEN BR-330T
Grove Order	SCN 47	SCN 44	SCN 8	SCN 15	SCN30
Frequency Range	25-512, 764-775.9875, 794-823.9875, 849.0125-868.9875, 894.0125-956, 1240-1300 MHz	25-54,108-174, 216-512, 806-956 *(less cell)*	25-54; 108-174; 400-512; 806-956 MHz *{less cell}*	25-512; 764-775.9875; 794-823.9875; 849.0125-868.9875; 894.0125-956; 1240-1300MHz *{less cell}*	.1 MHz – 1.3 GHz {less cell}
Keypad Entry?	Yes	Yes	Yes	Yes	Yes
Tuning Steps	5-12.5 khz Auto	5, 12.5 kHz	5, 12.5 kHz	Auto	5, 6.25, 7.5, 8.33, 9, 10, 12.5,15, 20, 25, 50 or 100 kHz
Display	Backlit LCD	Backlit LCD	Backlit LCD	3-Level Display; Keypad Backlight	Backlit LCD
Dimmer	10, 30, Squelch	Yes	No	No	On/Off
Receiving Modes	AM, NFM, WFM, Motorola Astro, SMARTNET, SMARTZONE, and PRIVACY PLUS, M/A-COM Private Radio Systems Inc. EDACS Wide, Narrow, and SCAT, and E.F. Johnson Co. LTR systems.*	AM, WFM, NFM, AIR, Motorola Type I, Type II, Type IIi, Hybrid, SMARTNET, PRIVACYPLUS analog trunking systems, LTR, EDACS, SCAT	9 Pre-programmed, NOAA/Canada; 13 bands, aircraft, MHz.Motorola Type II 800 MHz; Motorola Type II VHF 136-174 MHz; Motorola Type II UHF 406-512 MHz; Motorola Type I and Hybrid; EDACS® Wide Band: 9600 band; EDACD Scat	Motorola Type I 800 MHz, Motorola Type II 800, 900 MHz, UHF, VHF, EDACS WIDE, NARROW, SCAT, LTR; NFM, WFM, FM, AM, FMB	WFM, NFM, AM, analog Motorola, EDACS, EDACS SCAT, and LTR trunked radio systems, including systems in VHF, UHF, 800 MHz, and 900 MHz bands.
Memory Channels	Dynamic Allocation Capacity (with Name Assigned To Each System, Group, and Channel): Systems: 200 max Groups: 20 per system Channels: up to 2500 Channels per Trunked System: up to 200	500	250	Dynamic Allocation Capacity Systems: 500 max Groups : 20 per system Site : 1000 max (All) 256 per system, Memory Channels: up to 2500 Channels per Trunked System: up to 250, Band Coverage: 31 Bands	Dynamic Allocation Capacity Systems: 200 max Groups: 20 per system Channels: 2500 Channels per Trunked System: up to 200
Scan	100 Ch Sec Conventional	100 Ch Sec Conventional	100 CH Second Conventional	100 channels per second (Conventional mode) max	90 Ch Sec Conventional
Banks	Dynamic Allocation	10	5	Dynamic Allocation	20 Groups per System, 200 System Max
Channel Lockout	Yes	Yes	Yes	Yes	Yes
Priority	Yes	10	5	255; Priority Scan & Priority Plus	Priority Scan & Priority Plus
Search	300 steps per second (5 kHz step only)	300 steps per second (5 kHz step only)	100 Stp Sec Normal ; 300 Stp Sec Turbo	300 steps per second (5 kHz step only) max	140 Stps Sec (5 kHz step only)
Delay	0-5 Sec	2 Sec	Yes	Yes	0-5 Sec
Clock	No	No	No	No	No
Audio Output (typical)	320mW nominal into 8Ω internal speaker; 30 mW nominal into 32Ω headphone; 6 mW nominal into 64Ω earphone	1.8W Nom 8Ω in spk	Maximum 2.6W (2.2W normal @ 10% THD)	2.6W nominal into 8Ω speaker; 30mW nominal into 32Ω stereo headphone	400mW nominal into 24Ω internal speaker; 30 mW nominal into 32Ω headphone
Record Audio Output	No	Yes	No	REC. Out Jack 3.5mm Stereo Type	No
Spk/Hdp Jack	Ext. Speaker Jack 3.5mm	Ext. Speaker Jack 3.5mm	Yes	Ext. Speaker Jack 3.5mm Monaural Type	Jack 3.5mm;
Signal Strength Ind	Yes	Bargraph	No	Yes	Bargraph
Computer Interface	4pin Mini Type	D-sub9 Pins	Jack (DB-9)	Remote Interface Jack 4pin Mini Type	Remote Jack 4 Pin Mini
Conversion Scheme	Triple	Triple	Triple	Triple	Triple
Sensitivity (Typical)	0.45uV	0.45uV	0.45uV	0.45uV	0.45uV
Selectable Attn	Yes	Yes	No	Yes	Yes
Antenna Connector	SMA	BNC	BNC	BNC	SMA & Internal Bar
Dimensions (WxHxD)	2.72 x 1.26 x 4.6 in	10 1/2 x 7 3/8 x 3 1/2 in	7.06 x 6.10 x 2.44 in	7.24 × 6.06 × 2.20 in	2.40 x 1.22 x 5.35 in
Weight	0.48 lbs	3.8 lbs	38.8 oz	3.5 lbs	0.60 oz
Power Requirements	2 AA Alkaline Batteries (3V DC), or 2 AA Rechargeable Ni-MH Batteries (2.4V DC), or AC Adapter (6 VDC 500mA) (AD-0008)	12 VDC 500mAh *(AC Adapter)*	12V DC, 500mA Supplied	DC 11.0V to 16.6V; AC Adapter (AD-1009) or Cigarette Lighter Cord or DC Cord with Orange Wire	3 AA Alkaline Batteries (4.5V DC), or 3 AA Rechargeable Ni-MH Batteries (3.6V DC), or AC Adapter (6 VDC 800mA) (AD-1001)'
Accessories	PC Cable, 3 "AA" Batteries, Wrist Strap, AC Adapter, Swivel Belt Clip, Antenna, SMA-BNC Antenna Adaptor, Manual	Telescoping Whip Antenna, AC Adaptor, Manual.	AD 140U-AC Adapter, DC Power Cord, CD007 Cigarette Lighter Adapter Plug, Telescopic Antenna, Window Mount Antenna, Operating Guide, Trunk Tracker Frequency Guide, BCT 8 Software V 1.0 (OS W98SE, ME, 2000, XP)	AC Adapter (P/N AD-1009); Cigarette Lighter Adapter Power Cord; Three Wire DC; Power Cord; Mounting Bracket and Hardware; Push-on type Telescopic Antenna; Remote PC to Scanner Cable (scanner plug to female DB9); Owner's Manual	AC Adaptor, PC Cable, Wrist Strap, Batteries, Belt Clip, Manual, BNC/SMA Adaptor

www.grove-ent.com

0.01 to 3299.999 MHz** Coverage • Record and Save Audio in WAV Format • USB Cable Connection

WHO SAYS THE WORLD IS ROUND?*



NEW IC-PCR1500

PC Controlled Wideband Receiver

NOW AVAILABLE

Also now available: **IC-R1500**

A remote control head allows you to take the radio mobile. Cable included. No PC required, but you may connect the R1500 to a PC when not using the control head. Your choice. Call Grove today.

ICOM®

*The radio is actually black. ** Cellular frequencies blocked.

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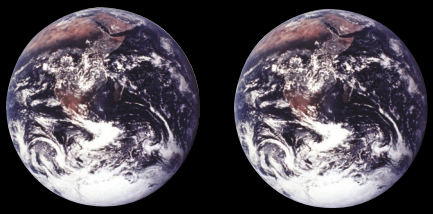
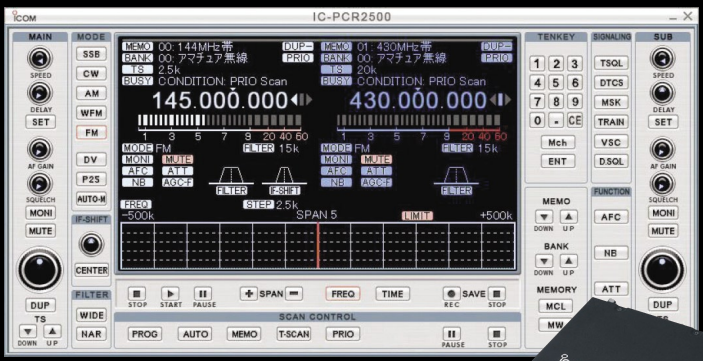
2 WIDEBAND RECEIVERS IN 1 RADIO!
0.01 to 3299.999 MHz* Coverage • APCO and D-STAR Compatible
• USB Cable Connection



TWO WORLDS ARE BETTER THAN ONE.



NEW IC-PCR2500

PC Controlled Radio
with Dual Wideband Receivers

NOW AVAILABLE

Also now available: **IC-R2500**

A remote control head allows you to take the radio mobile. Cable included. No PC required. Call Grove today.

ICOM®

* Cellular frequencies blocked.

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THE WORLD IN YOUR HAND

IC–R5

COMPACT WIDE-BAND RECEIVER

- 0.5 - 1300.0 MHz (Cellular Blocked)
- AM, FM, WFM Modes
- PC Programmable
- Weather Resistant
- 1,250 Memory Channels

IC–R3

SEE & HEAR WIDE-BAND RECEIVER

- 0.5 - 2450.0 MHz (Cellular Blocked)
- AM, FM, WFM Modes
- AM and FM TV and Wireless Video
- 2-inch TFT Color Display
- 400 Memory Channels

IC–R20

ADVANCED WIDE-BAND RECEIVER

- 0.150 - 3304.0 MHz (Cellular Blocked)
- AM, FM, WFM, SSB, CW Modes
- 4-hour Digital Recorder
- CTCSS, DTCS Tone Signaling
- 1,000 Memory Channels

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• Frequency coverage (Unit: MHz) : 0.005–3335.000000 (Cellular bands blocked in the U.S.A. version)
• Mode : USB, LSB, CW, FSK, AM, FM, WFM, optional DSP
• Number of memory channels : 1020 (1000 regular and 20 scan edges)
• Antenna connector : SO-239 (50ohm for HF), Phono [RCA] (500ohm for HF), Type-N ×2 (50ohm, one each for 30–1149.99999MHz, 1150–3335MHz)
• Temperature range : 0°C to +50°C; +32°F to +122°F
• Frequency stability : Less than ±0.05ppm (0°C to +50°C) after warm up (5 minutes)
• Frequency resolution : 1Hz
• Power supply requirement : 100V/120V/230V/240V AC
• Power consumption : Standby 70VA typ. Max. audio 70VA typ.

• Dimensions (W×H×D) : (projections not included) 16.7 × 5.9 × 13.4 in
• Weight : 39.7lb (approx.)
• PHONES connector : 3-conductor 3.5 (d) mm (1⁄8")
• External speaker connector : 2-conductor 3.5 (d) mm (1⁄8") 8ohm
• Intermediate frequencies : 1st 36.7/278.7/778.7MHz, 2nd 10.7/58.7MHz, 3rd 48k/10.7MHz, 4th None/48kHz
• Squelch sensitivity (Pre-amp: OFF) : USB, LSB, CW, FSK, FM, AM Less than 5.6µV WFM Less than 1µV
• Selectivity (representative value) : USB, LSB, FSK (BW= 2.4kHz) More than

+40dBm IP3 and 110dB wide dynamic range

Two independent 32 bit floating point DSP processors

7-inch wide color TFT LCD

Five roofing filters before the first amp

It's hard to test the equipment when the equipment being tested is as good as the test equipment being used to test it.

Introducing Icom's IC-R9500 wide band receiver.**

Available to government authorized purchasers only. Coming soon to Grove.

**This device has not been approved by the FCC. This device may not be sold or leased, or be offered for sale or lease, until approval of the FCC has been obtained.

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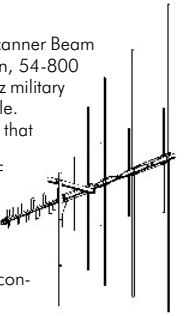
ICOM®

VHF/UHF BASE ANTENNAS

Grove Scanner Beam!



A standard of unexcelled performance for more than 20 years, our world-renowned Scanner Beam has been improved to provide better directivity! Ideal for 30-50 MHz low band reception, 54-800 MHz FM Broadcast and TV, 108-137 MHz aircraft, 137-174 MHz high band, 225-400 MHz military aircraft and satellites, 406-512 MHz UHF, and 698-960 MHz extended microwave mobile.

The major lobe pattern is directional from 100-900 MHz, non-directional outside that range.

HAMS NOTE: The Scanner Beam can be used for transmitting up to 25 watts on VHF/UHF with the following average VSWR: 50 MHz @ 1.9:1, 144 MHz @ 3:1, 222 MHz @3:1, and 430 MHz @ 1.5:1. 50-72 ohms nominal impedance.

May be used with inexpensive TV antenna rotator or fixed in favored direction. Local signals still come in loud and clear from all directions.

Balun transformer, offset pipe and all mounting hardware included (requires TV type F connector on your coax).

Specifications:

DIMENSIONS: Boom length, 60"; Rearmost element, 96".

GAIN: 30-50 MHz, 0 dBd (unity); 100-200 MHz, 4-6 dBd; 400-500 MHz, 6-8 dBd; 800 MHz+, 10-12 dBd.

Suggested Accessories:

CBL50 - 50' F to F RG6U cable $19.95
CBL100 - 100' F to F RG6U cable $24.95
SWC01 - Antenna Switch $19.95

Order ANT18

Our Price: $64.95

Shipped only in U.S. & Canada

Grove OMNI II

Designed by Bob Grove, this exclusive Grove product offers 25-1300 MHz coverage for modern scanners; lightweight, compact design, high performance, and low cost! Designed especially for wide-area metropolitan listeners, the 68" Omni can be mounted on a mast, in an attic crawl space, against a wall—just about anywhere convenient.

BONUS FEATURE! Although the Omni is essentially non-directional, a metal mast gives it useful directional properties. Overload interference from paging transmitters, weather stations, FM or TV broadcasters, or other sources may be reduced or eliminated when positioning the antenna on the mast at the time of installation! Similarly, a distant, weak signal may be peaked by the same technique!

Balun transformer with F connector, offset pipe, mounting hardware and full instructions included.

Suggested Accessories:

CBL50 - 50' F to F RG6U cable $19.95
CBL100 - 100' F to F RG6U cable $24.95
SWC01 - Antenna Switch $19.95

Order ANT05

Our Price: $29.95

Scantenna

Includes 50' of coax cable plus BNC connectors!

This omnidirectional scanner antenna will equal or outperform any competitor on the market. Its dipole-cluster design utilizes broadband techniques to provide continuous frequency coverage from 25-1300 MHz, offering superb reception of public safety, civilian and military aircraft, hams, personal communication devices, maritime, CB— anything in its frequency range! Size 7-1/2'H x 4-1/2'W.

If more than 50' of cable is needed, order the ADP26 (F/F barrel connector) along with CBL50 or CBL100.

Order ANT07

Our Price: $49.95

For cables and adaptors, see page 37

Nil-Jon Multiband Base Antenna

Imagine improving your VHF/UHF base station communications or scanner monitoring by substituting one low-profile (17" H), multi-element antenna system on your antenna line! Its patented, tilted, three-element design uses harmonic patterning to improve VHF/UHF reception and transmission without retuning (see pattern link below)! Ideal for modern, 25-1300 MHz, wide-coverage scanners, and for 100 watt commercial, amateur, and government transceivers operating in the 140-174, 216-225, and 406-512 MHz ranges.

Its broadband design accepts modern repeater splits, cross-band, and wideband spread spectrum. Unique sloped elements reduce picket fencing. Stainless-steel whips with turn screws fit securely into an NMO aircraft aluminum base fixture. The antenna assembly clamps securely to your tower or mast pipe and is equipped with an SO-239 connector to match your PL-259-equipped coax cable.

Order ANT10MBS - Our Price: $94.95

WiNRADiO AX-71C UHF Antenna

The AX-71C antenna is a compact VHF/UHF omni-directional receiving and transmitting antenna for professional and consumer surveillance and monitoring applications.

The antenna covers the frequency range of 25-3000+ MHz offering a typical VSWR figure of less than 1.5:1.

While designed to be entirely general-purpose, the WiNRADiO AX-71C Wideband Discone Antenna is especially suitable for the WiNRADiO range of VHF/UHF receivers.

Its durable construction from high-grade stainless steel, alloy and aluminum will ensure trouble-free operation for many years. The antennas was designed for rapid and easy assembly.

Suggested Accessories:

ACC71 - Mounting clamps $14.95
CBL50 - 50' F to F RG6U cable $19.95
CBL100 - 100' F to F RG6U cable $24.95
SWC01 - Antenna Switch $19.95

Order ANT01
Our Price: $89.95

WiNRADiO AX-31B Active UHF Antenna

The AX-31B antenna is a compact UHF directional antenna with an in-built amplifier, which provides a low-cost alternative to conventional UHF antennas (for example discones), especially for indoor professional and amateur applications.

This log-periodic antenna is constructed on a high-quality fiber-glass substrate, with a 20dB amplifier directly mounted on the substrate, together with other surface-mount circuitry and a standard 9V PP3 type battery holder. A power switch is provided directly on the antenna.

In professional applications, this antenna is ideally suited for EMC pre-testing, surveillance and monitoring. The antenna covers a frequency range of 230 to 1400 MHz (slightly wider frequency range can be received with reduced gain).

The AX-31B antenna package includes a 2 meter (6.5 ft) cable with an SMA connector for the antenna and a BNC connector for the receiver. Battery is not included.

The antenna is designed for indoor reception. Its small footprint, the size of an A4 sheet of paper (11.5" by 8.5"), conserves space and makes concealed installation possible, if desired. The antenna is lightweight and installation can be achieved within minutes using double-sided adhesive tape.

Order ANT04 - Our Price: $119.95

The Mighty Condor!

Looking for a suitable rubber duckie scanner antenna to replace the factory issue? Try this one which has become the standard of the industry. Made for the two-way communications community, the 12" Austin Condor is guaranteed to improve weak signal scanner reception throughout the 100-1300 MHz frequency ranges compared to your original scanner antenna.

Order ANT14B *w/right-angle BNC Connector* - Our Price - $34.95

7540 Highway 64 West Brasstown, NC 28902 (800) 438-8155 (828) 837-9200
fax: (828) 837-2216 email: order@grove-ent.com web: www.grove-ent.com
Technical Questions? (828) 837-9200 or tech@grove-ent.com. Due to high call volume, technical calls will be limited to 3 minutes.

www.grove-ent.com

High Performance 800 MHz Portable Antenna

The Max Systems antenna will make a tremendous improvement in the 806-960 MHz reception over the whip provided with your hand-held or desktop scanner! (Not usable in other frequency ranges.)

Equipped with standard BNC connector; rugged ground-plane construction for optimum performance. Only 7-1/2" tall. Comes with straight connector for handhelds (ANT-22 shown in use with a handheld scanner).

Order ANT23 *w/right-angle BNC Connector* **- Our Price - $34.95**

NEW! Grove Flex-Tenna™ VU

The 48 inch Model VU Flex-Tenna™ is a thin and inconspicuous, flexible-wire antenna designed to provide continuous 25-2500 MHz reception on scanners. Since it's a narrow length of clear-insulated cable, it is an excellent choice for low-visibility installations. Has an F connector. Make sure to choose the correct adaptor for your needs.

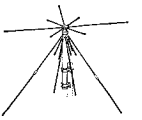
Suggested Accessories:

CBL50 - 50' F to F RG6U cable $19.95
CBL100 - 100' F to F RG6U cable $24.95
CBL09 - F Male ~ F Male Coax (3') $1.25

Order ANT46 - Our Price - $9.95

VHF/UHF WIDEBAND ANTENNAS

AOR DA3000 Extended-Range Discone



For continuous-coverage 30-2000 MHz VHF/UHF receivers and scanners, and even 100 watt transmitters on most VHF-HI and UHF frequencies, you can't beat this rugged discone! Stainless steel tubing combines light weight with rough-weather durability. Includes 50 feet of low-loss coax with BNC connector, and tough 2-1/2" mast mount.

Order ANT11 - Our Price: $139.00

AOR SA-7000 Super-Wide Receiving Antenna

Designed for wide-frequency-coverage receivers and scanners, the SA-7000 base antenna is rigidly constructed of stainless steel and aluminum and comes with 50' of RG 58U coaxial cable terminated with a BNC connector. Engineered to provide a 50 ohm match, the SA-7000 is 71 inches tall and mounts on a mast up to 2-1/4" diameter. Complete passive system brings superior low noise and free of cross / intermodulation.

Specifications:

Receiving Range: 30 kHz - 2GHz
Height: 72 in
Wind Load: Withstands in excess of 100 MPH

Order ANT39
Our Price: $199.95

Diamond Wide Frequency Coverage Discone Antenna

The discone antenna is used by government and military agencies worldwide because of its wide bandwidth characteristics and non-directional coverage. Diamond offers this professional-grade discone at a popular price.

Designed for use with wide-frequency-coverage VHF/UHF scanners and receivers, the Diamond D130J discone consists of 16 rugged, stainless-steel elements and is capable of transmitting up to 200 watts in the amateur 50, 144, 220, 432, 900, and 1200 MHz bands.

The elements are arranged on a 24-inch support pipe equipped with two strong mounting brackets to accomodate any standard mast-pipe (1"to 2-1/8" diameter).

Suggested Accessories:

CBL50 - 50' F to F RG6U cable	$19.95
CBL100 - 100' F to F RG6U cable	$24.95
SWC01 - Antenna Switch	$19.95

Order ANT09
Our Price: $94.95

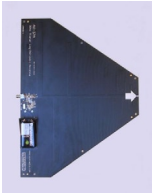
WiNRADiO AX-37A Series Planar, Log-Periodic, Antennas

Designed to work with all UHF receivers including the WiNRADiO 3000 series, the AX-37A is a compact, directional, planar, log-periodic, UHF directional antenna. Etched on a high-quality fiberglass substrate, it includes a surface-mount, 20 dB preamplifier, a standard 9V battery holder, power switch and an LED indicator.

Suitable for indoor monitoring, surveillance and point-to-point communication (receive only), its directivity can substantially null co-channel interference. Its small footprint (the size of a sheet of typing paper), light weight and thin profile invite concealed installation, quickly accomplished with double-sided adhesive tape.

TECHNICAL SPECIFICATIONS

Frequency range: 300-3000 MHz (wider with reduced gain)
Antenna Forward Gain: 6.0 dBi (free space)
Amplifier Gain: 23 dB @ 1 GHz , Amplifier Noise Figure: 2.0 dB
Amplifier IP3: +27 dBm , Primary Sensitivity: E-field
Polarization: Horizontal or vertical (depending on mounting)
Impedance: 50 ohm (Nominal)
Power: 9V @ 40 mA (standard PP3 battery) , Connector: SMA
Front-to-back ratio: 18 dB min (180 degrees from main lobe)
VSWR: 1.3:1 , Size: 11.5" x 8.4", Weight: 5 oz



Order ANT28 - Our Price: $389.95

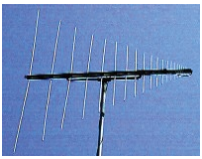
WiNRADiO AX-37E Weather-proof, Planar, Log-Periodic Antenna

Designed for permanent, outdoor mounting, this rugged, encapsulated antenna has virtually the same dimensional and electrical specifications as the AX-37A, but weighs 2.6 lbs and must be powered with 12 VDC @ 65 mA through the coax, requiring a "power T" (RF+DC combiner) at the receiver.

Requires SMA adaptor.

Order ANT29 - Our Price: $389.95

Create Log-Periodic Beam



The log-periodic dipole array (LPDA) is respected for its wide bandwidth, constant impedance, and high gain. Measuring 6'8" boom length, the CLP-5130-1N (ANT16) offers 50-1300 MHz bandwidth for transmitting and receiving, with an average forward gain of 10-12 dBi. The CLP-5130-2N (ANT17) offers 100-1300 MHz bandwidth for transmitting and receiving, with an average forward gain of 11-13 dBi. Ruggedly constructed of solid aluminum for lightweight durability. Fitted with an N connector for your low-loss coax.

Order ANT16 - Our Price - $409.95

Order ANT17 - Our Price - $299.95

VHF/UHF MOBILE ANTENNAS

Procomm CD144M

HIGH PERFORMANCE, LOW PROFILE, MOBILE SCANNER ANTENNA

We have replaced our popular Stealth antenna with this mechanically improved model that features a tight hold, wind resistant, chrome finish, 3.25" magnetic base built to withstand high road speeds. The 20" stainless steel whip can receive 25-1000 MHz (best above 100 MHz) and makes a great 2 meter transmit/receive antenna, or you can shorten it to resonance on any VHF-HI or UHF band of your choice (Allen wrench included). 12 feet of RG58/U coax cable (not the usual, lossy RG-174/U) is terminated with a BNC connector for your scanner or transceiver.

Order ANT50 - Our Price: $19.95

AOR MA500

For mobile applications, this magnetic-base, center-loaded, 24" trap-loaded whip provides superior VHF/UHF reception from 30-2000 MHz, and can be used for transmitting as well on VHF-HI and UHF land mobile frequencies. Includes 25 foot RG58U cable with BNC and PL-259 connectors.

Order ANT12 - Our Price: $99.00

Range-Extending Mobile Mag Mount!

This exclusive, Grove product is guaranteed to extend the receiving distance of your hand-held radio. Simply attach your BNC whip to this rugged magnetic mount on the top of your vehicle or even an indoor surface (file cabinet, etc.)! Add miles to your range! Use with any BNC-base whip for scanners, amateur radio handy-talkies, law enforcement and commercial hand-held transceivers, government/military portables. The heavy-duty, low-profile, 3" magnetic mount won't come loose at any highway speed, yet it's instantly removable for security or storage. Includes 18 feet of RG-58/U coax with BNC connector.

ANT06 – Universal Telescoping Whip $14.95
ANT14 – Mighty Condor Whip $29.95

Order ANT03
Our Price: $24.95

Nil-Jon Super-M Superior Mobile Antenna

Unique, tilted, three-element design uses harmonic patterning to improve VHF/UHF reception! Ideal for modern, wide-coverage scanners, 25-1300 MHz, and for 100 watt commercial, amateur, and government transmitters between 140-174, 216-225, and 406-512 MHz without retuning!

Its broadband design accepts modern repeater splits, cross-band, and wideband spread spectrum. Unique sloped elements reduce picket fencing. Stainless-steel whips with turn-screws fit securely into an aircraft-aluminum base fixture, waterproof-sealed by a rubber gasket.

A rigid-grip magnetic mount with 12' low-loss cable and a BNC connector are provided.

Order ANT10 - Our Price: $79.95

Nil-Jon Antenna with NMO Base

This high-performance, low profile (17" H) mobile replacement antenna is guaranteed to improve multiband mobile communications over other whips! Its patented, tilted, three-element design uses harmonic patterning to improve VHF/UHF reception and transmission without retuning! Ideal for modern, 25-1300 MHz, wide-coverage scanners, and for 100 watt commercial, amateur, and government transceivers operating in the 140-174, 216-225, and 406-512 MHz ranges.

Its broadband design accepts modern repeater splits, cross-band, and wideband spread spectrum. Unique sloped elements reduce picket fencing. Stainless-steel whips with turn screws fit securely into an aircraft-aluminum base fixture. Fitted with a standard NMO base adaptor for existing 3/4" Motorola mobile mounts.

Order ANT10NMO - Our Price: $74.95

WiNRADiO AX-91M Magnetic Antenna

The WiNRADiO AX-91M is a high quality magnetic antenna base designed to securely mount a wide variety of antennas for mobile outdoor and stationary indoor applications.

The base is equipped with a BNC socket and is ready to accept most types of antennas ranging from short tuned stub antennas to long telescopic and loop antennas both for receiving and transmitting.

The AX-91M antenna base is ideally suited for wide band surveillance and monitoring work in a mobile environment where rapid deployment and reliability are essential. Although designed to suit the WiNRADiO range of antennas and receivers, the AX-91M base can also be used with other manufacturers' equipment.

The AX-91M antenna base is constructed from high-grade steel and weatherproof rubber, and will ensure trouble-free operation for many years.

Order ANT48 - Our Price - $24.95

Regarding the Par "End Fedz" Antenna:

"All I can say is wow!!! Thank you very much for turning me onto this antenna. Just hanging it over my balcony, I'm getting excellent reception on AM and SWL. I was unable receive any of the Midwest power houses with the Yaesu active antenna; KOA from Denver sounds like one of the locals here in Tucson."

- Jim B.

HANDHELD SCANNER ANTENNAS

The Mighty Condor!

Looking for a suitable rubber duckie scanner antenna to replace the factory issue? Try this one which has become the standard of the industry. Made for the two-way communications community, the 12" Austin Condor is guaranteed to improve weak signal scanner reception throughout the 100-1300 MHz frequency ranges compared to your original scanner antenna.

Order ANT14 - Our Price - $29.95

High Performance 800 MHz Portable Antenna

The Max Systems antenna will make a tremendous improvement in the 806-960 MHz reception over the whip provided with your hand-held or desktop scanner! (Not usable in other frequency ranges.)

Equipped with standard BNC connector; rugged ground-plane construction for optimum performance. Only 7-1/2" tall. Comes with straight connector for handhelds (ANT-22 shown in use with a handheld scanner).

Order ANT22 - Our Price - $29.95

Grove Universal Telescoping Whip

For ham and commercial handie-talkies as well as hand-held scanners, the Grove rugged, chrome, telescoping whip features a swivel BNC base, allowing the whip to be used straight or turned to a right angle for those special applications.

Adjustable length from 6" to 29" allows frequency optimization. Quarter-wave resonance at VHF hi band, 3 dB gain or more over rubber duckies at UHF.

Order ANT06 - Our Price: $14.95

WiNRADiO AX-07B Flexible VHF/UHF Antenna

The AX-07B is a small, rugged antenna designed for reception and low-power transmission in the VHF/UHF bands.

The flexible antenna is encapsulated in a weatherproof rubber sheath resistant to chemical corrosion, abrasion, ozone, salt water and ultra violet radiation, making it ideal for outdoor applications.

Order ANT47 - Our Price - $24.95

HF OUTDOOR ANTENNAS

NEW! Grove Flex-Tenna™ HVU

The 24-foot Model HVU Flex-Tenna™ is a thin and inconspicuous, flexible-wire antenna designed to provide continuous 10 kHz-2500 MHz reception on shortwave receivers, wide-frequency-coverage receivers and scanners with only one antenna connector. Since it's a narrow length of clear-insulated cable, it is an excellent choice for low-visibility installations. HF male connector. Choose correct adaptor for your receiver and scanner needs.

Suggested Accessories:

CBL50 - 50' F to F RG6U cable $19.95
CBL100 - 100' F to F RG6U cable $24.95
CBL09 - F Male ~ F Male Coax (3') $1.25

Order ANT45 - Our Price: $14.95

For cables and adaptors, see page 37

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fax: (828) 837-2216 email: order@grove-ent.com web: www.grove-ent.com
Technical Questions? (828) 837-9200 or tech@grove-ent.com. Due to high call volume, technical calls will be limited to 3 minutes.

www.grove-ent.com

Grove Skywire

High performance and low cost—an unbeatable combination! Why restrict your frequency coverage with the gaps found in expensive trap dipoles or unpredictable random wire when you can get unsurpassed full-frequency reception with the Grove Skywire?

Comes assembled with Budwig center connector ready for your PL-259 (UHF male) equipped coaxial cable (50 or 75 ohm); includes two professional porcelain end insulators and complete instructions.

HAMS! Ideal for transmitting when used with a transmatch. (1.8-30 MHz at up to 250 watts)

Specifications:
Length: 66 feet
Feedpoint impedance: 50 or 75 ohm (nominal)
Feedpoint location: 22 feet from end for harmonic match
Elements: 18 AWG (16 x 30) bare stranded copper

Order ANT02
Our Price: $29.95

CBL50 50' - F to F RG6U cable $19.95
CBL100 100' - F to F RG6U cable .. $24.95

WiNRADiO WR-LWA-0130 Long Wire Antenna Adapter

Often referred to as ***Long Wire Balun***, this device is used to match the impedance of a long wire HF antenna to a 50 ohm input impedance of a receiver. Such impedance matching usually results in a significant signal strength increase (up to 17dB in some cases, and approximately 5dB on average), compared to the long wire antenna connected directly to the antenna input of the receiver.

The WiNRADiO ***WR-LWA-0130 Long Wire Antenna Adapter*** is designed to work on medium and short wave bands, covering a frequency range from 0.1 to 30 MHz. It is especially suitable for use with WiNRADiO shortwave receivers, such as the ***WR-G303i receiver***.

Unlike most conventional antenna adapters, the WiNRADiO WR-LWA-0130 Long Wire Antenna Adapter employs a dual broadband transformer technique which offers an improved performance over single-transformer devices. Requires BNC adaptor/connector.

Order ADP35 - Our Price: $39.95

PAR HIGH-PERFORMANCE "END FEDZ" SHORTWAVE ANTENNA!

The PAR End Fedz 45-foot, commercial-quality, end-fed receiving antenna is made of virtually-indestructible Flex Weave, covered by a protective black polyethylene jacket. Impedance-matched by a 9:1, binocular-core transformer in a weather- and UV-resistant ABS housing, the wire element is firmly attached by stainless steel hardware. You may custom-configure the shorting bar for grounding the antenna. A silver/Teflon SO-239 coax connector is ready to receive the PL-259 on your coax cable.

Mount this beauty outdoors, in the attic, or any other preferred spot for unsurpassed, 1-55 MHz reception! Instructions include patterns for horizontal or slope mounting.

CBL50 50' - F to F RG6U cable ... $19.95
CBL100 100' - F to F RG6U cable $24.95
ADP02 - F to PL259 adaptor $3.00

Order ANT08 - Our Price: $59.95

HF INDOOR ANTENNAS

MFJ 1020C ACTIVE SHORTWAVE ANTENNA

If you can't use an outdoor shortwave antenna, the popular MFJ 1020C is the way to go. Featuring 300 kHz-40 MHz frequency-selectable coverage, and including its own 20-inch telescopic whip, the 1020C may be used as a preselector for outdoor antennas as well. Controls include gain, band, tuning, and bypass. Rear-panel SO-239 connectors are provided. Only 6-1/2"W x 2-1/2"H, the 1020C operates either from an internal 9V battery (not supplied) or an optional 9-12 VDC AC adaptor; a red LED lets you know the unit is on.

Suggested Accessories:
PWR04 - AC Adaptor..... $14.95
CBL11 - 3' PL-259/PL-259 Interconnect Cable . $3.99

Order ANT19
Our Price: $84.95

AOR LA-380

The LA380 is a compact active (1 foot diameter) loop antenna specifically designed to provide good reception when away from the main monitoring location or when large external antennas are not practical. Compact, but achieving high performance, it features an internal high-gain amplifier (20dB for 10kHz-250MHz) and excellent overall strong signal handling (high IP3 +10dBm). Supplied accessories: 120V AC power supply, BNC-BNC coaxial cable, manual.

Supplied Accessories: 120V AC Power Supply, BNC-BNC Coaxial cable, Manual

Order ANT44 - Our Price: $369.95

Grove SW Pocket-Tenna

Pocket Shortwave Antenna for Wideband Handheld Receivers. Remarkably improved shortwave/longwave reception over the factory whip. Just attach the cable, run the flexible antenna wire out a window or up to a tie point, and enjoy worldwide reception! (20' foot RG174/U cable with BNC connector.) Recommended for Icom, AOR, Yaesu, Alinco wideband, handheld receivers.

Suggested Accessories:

ADP33 - SMA Adaptor $3.50

Order ANT25 - Our Price: $19.95

H800 Skymatch Active Antenna

The H-800 Active Antenna covers the full LF/HF/VHF spectrum from 10kHz through 50 MHz. A proprietary low noise amplifier (2 wire feed) insures ample gain throughout the operating spectrum. The output impedance on the H-800 is 50-100 ohms, and is designed to match most receivers in use today. The Receiver Coupler may be powered by two 9 volt batteries for operation. An external 120 vac / 12 vdc power supply is included for continuous operation.

The sealed antenna probe consists of impedance matching electronics and amplifier which transform its internal short length wire antenna into a 100 foot "long wire" equivalent. The H-800 has very high E field sensitivity with the advantage of good BC intermodulation rejection. The H-800 is compact and totally sealed (no whip) providing the advantage of reduced EMI interference.

Dual source power design: Internal 9 volt battery (x2) or external 120 vac / 12 vdc supply included.

Includes integrated active antenna, 50 feet of RG174U w/ RCA coax lead-in, control box, and AC adaptor. Equipped with RCA jack and additional adaptors maybe required for use with receivers.

ADP32 - RCA Female to PL259 Male $3.00
ADP25 - RCA F to M 1/8" Mini-Plug $1.50
ADP01 - RCA Female to BNC male .. $1.50

Order ANT15 - Our Price: $139.00

LF Engineering H-900 Gain Probe Antenna

LF Engineering has appointed Grove to be the exclusive distributor of the enhanced-performance, H-900 Gain Probe active antenna, with additional gain for weak signal reception, and increased dynamic range to withstand strong-signal overload and avoid desensitization from close-by transmitting antennas!

Includes integrated active antenna, 50 feet of RG174U w/ RCA coax lead-in, control box, 36" jumper with RCA plug; {adaptors to fit your receiver listed below} and AC adaptor.

SPECIFICATIONS:

Dimensions: 25" long, 1" diameter
Frequency coverage: 10 kHz through 60 MHz (-3 dB)
Equivalent performance: 100' dipole
Integrated amplifier: MOSFET / Gain: Up to 12 dB / Additional gain switch: 10 dB
Connectors: RCA Phono jacks
Weather protection: hermetically sealed, -66 ft. pressure (2 atmospheres)
Remote cable: 50' RG-174/U (extendable to 250' by user-provided cable)
Overload protection: Withstands close transmitting antenna without desensitization

ADP32 - RCA Female to PL259 Male $3.00
ADP25 - RCA Female to Male 1/8" Mini-Plug $1.50
ADP01 - RCA Female to BNC male $1.50

Order ANT27 - Our Price: $189.00

Grove's Hidden Flex-Tenna

The new Hidden Flex-Tenna is easily installed in an attic crawl space and provides continuous 10 kHz-2500 MHz reception for wide-frequency-coverage receivers and scanners! When an outdoor antenna is not an option, the Hidden Flex-Tenna will provide optimum indoor reception.

Measuring 24 feet in length (the longwave/shortwave elements) and supporting a short hanging pair (VHF/UHF elements), the flexible Hidden Flex-Tenna may be conveniently suspended from the roof trusses. A convenient F connector allows connection to your coax down-lead.

Suggested Accessories:
CBL50 - 50' F to F RG6U cable $19.95
CBL100 - 100' F to F RG6U cable $24.95
CBL09 - F Male ~ F Male Coax (3') $1.25

Order ANT49 - Our Price: $19.95

Select-A-Tenna Medium-Wave Loop Antenna Booster

Apartment dwellers and mobile home owners, boost your 530-1700 kHz AM broadcast reception up to 30 dB with the famous Select-A-Tenna! Improves adjacent channel rejection, reduces signal fading. Tuning knob selects your listening frequency.

No batteries, power, or connection required to AM radios with internal antennas. Simply set the Select-A-Tenna next to your radio, peak the tuning knob, and listen to AM broadcast signals soar out of the background noise!

This 11", high-Q loop antenna focuses its captive signals to your radio's internal ferrite loop without any physical connection! If your receiver requires an external antenna, a convenient 3.5 mm (1/8") jack and plug are provided.

Connect an outside wire to the Select-A-Tenna and receive medium wave signals like you've never heard before!

Order ANT21 - Our Price: $59.95

Super Select-A-Tenna

Up to 40 dB gain over your portable's internal AM antenna! Coarse and fine tuning allow accurate signal adjustment from 530-1700 kHz; regenerative amplifier boosts incoming signals. May be used as a wireless-coupled loop, or directly wired to the external antenna jack of your radio, or to tune a larger outdoor antenna!

Specifications:

The Super Select-A-Tenna is an active device with additional controls that has an internal regenerative amplifier and requires a 9V battery (not included). The unit has an additional variable 0dB to +10dB gain added to the intrinsic +30dB for a useful gain up to +40dB. The unit has both Coarse and Fine Tuning controls for ease of operation at the higher gain settings. It also has the capability to effectively drive a remote ferrite probe. This is useful on applications of large case radio installations that the Super Select-A-Tenna cannot access directly with it's intrinsic near proximity effect.

The 541-S has a high-signal level and low-impedance balanced drive port for the ferrite probe. This provides the capability to not only drive the 6 ft. coaxial cable and probe, which are included, but the cable may be extended to as much as 26 ft using extension cables readily available locally. This is very useful for remotely locating the 541-S away from radio noise sources or into better signal locations, when moving the radio itself may be inconvenient.

Supplied Accessories: External Antenna & Ground Cable Assembly {terminates 2 Wire}, Ferrite Probe Cable Assembly {terminates RCA male} , Ferrite Probe Antenna.

Order ANT40 - Our Price: $179.95

ANTENNA ACCESSORIES

DC-2 GHZ ANTENNA SWITCH

Now you can select between two antennas for your receiver, scanner, or low-power transceiver—or you may choose either of two radios to connect to your antenna!

This high-quality, die-cast, waveguide construction assures low-loss performance up through at least 2 GHz (2000 MHz)!

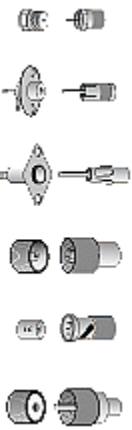
Comes with two 3' cables, your choice of 3 connectors listed below (specify in comment section of e-commerce order), 2 mounting screws and two-sided tape.

ADP 2 F Female to PL259 Male
ADP 3 F Female to N Male
ADP 5 F Female to Male 1/8 Mini
ADP 9 F Female to BNC Male
ADP 7 UHF Female to F Male
ADP 17 BNC Female to F Male

Order SWC01
Our Price: $19.95

ADAPTORS:

ADP01	RCA Female to BNC male	$1.50
ADP02	F Female to PL259 Male	$3.00
ADP03	F Female to N Male	$3.50
ADP04	BNC Female - N Male	$3.50
ADP05	F Female to Male 1/8 Mini	$1.50
ADP07	SO-239/UHF Female to F male adaptors	$3.00
ADP09	F Female to BNC Male	$1.50
ADP13	BNC/BNC (right angle elbow)	$3.50
ADP17	BNC Female to F Male	$3.00
ADP25	RCA Female to Male 1/8" Mini-plug	$1.50
ADP26	F Female to F Female Barrel (qnty 2)	$1.50
ADP32	RCA Female to PL259 Male	$3.00
ADP33	BNC Female to SMA Male	$3.50
CBL04	3' cable, BNC to BNC	$4.95
CBL09	3' cable, F Male to F Male	$1.25
CBL11	3' cable, PL259 to PL259	$3.99



Orders for adaptors only will be shipped first class mail in US.

Premium Low-Loss RG6-U Cable

All Grove RG-6 /U coaxial cable is 100% shielded, providing low loss (see description below). It comes with easy-to-adapt F connectors on both ends, fitting our wide range of adaptors.

Have you had trouble finding the right coaxial adaptors for linking your antenna and receiver? We can help! Simply tell us what adaptors you need, or what antenna and radio you will be using. We will provide you with a cable which is ready to attach between your antenna and receiver! 50 & 100 ft. length, comes with 2 adaptors at no extra charge.

Cable Loss Per 100 ft.: 1.6 dB @ 50 MHZ; 2.6 dB @ 170 MHz; 4.6 dB @ 450 MHz.

FREE SHIPPING in the US if ordered with antenna!

CBL50	50' of low-loss RG6-U cable	$19.95
CBL100	100' of low-loss RG6-U Cable	$24.95

ATI EMP Surge Protector

While nothing can withstand a direct lightning hit, the Grove LAR-1 connects between your antenna cable and radio to prevent induced voltages from nearby lightning strokes, high powered transmitters and other massive energy surges from burning out your equipment (will not prevent AC power line surges).

Not a flimsy spark gap or simple diode shunt, the Grove LAR-1 uses state-of-the-art gas discharge technology, proven in government tests to be the best deterrent against lightning and electromagnetic pulse (EMP) surges.

Responds in one ten-millionth of a second to short-circuit bursts of 250,000 volts and currents of 5000 amps, while allowing normal signal voltages (and even control voltages up toe 50 volts AC or DC) to pass undisturbed! Extremely low signal loss-0.2 dB at 1500 MHz! Ideal for protecting scanners, shortwave receivers, CB and ham equipment, VCR's, satellite systems, and more. May be used with transmitters up to 100 watts.

The tiny protector measures only 3/4"D x 1 1/2"L and comes equipped with standard F connectors.

Select an adaptor from the list below ***{no extra charge}*** to accommodate your receiver or scanner.

ADP02 - PL259 Male
ADP03 - N Male
ADP05 - F Female to Male 1/8" Mini
ADP07 - SO-239/UHF Female to F male
ADP09 - BNC Male
ADP17 - BNC Female to F Male

Order LAR1F - *Our Price: $19.95*

Scanner Antenna Splitter

Now you can run two scanners from one antenna with full 25-1000 MHz frequency coverage! This antenna splitter comes with two three-foot cables for your side-by-side scanners and adaptors for F and BNC connectors.

Order SPL02 - *Our Price: $9.95*

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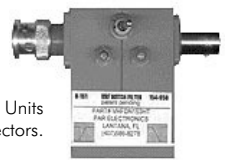
TUNERS, PREAMPS & MULTICOUPLERS

Par Intermod Filters



Now you can restore quiet monitoring on your scanner or VHF/UHF transceiver, drastically reducing that incessant "bleep bleep" interference from local paging transmitters! Simply specify whether the interference is from a 152, 158, or 462 MHz pager, and we'll send you a unit that knocks down that interference by 35 dB! Units may be cascaded for additional interference reduction. Equipped with BNC connectors. Filters are drop-shipped from manufacturer.

FTR152DS	FTR158DS	FTR462DS	FTR-FMDS	FTR-162DS
$69.95	$69.95	$69.95	$69.95	$69.95
152MHz	158MHz	462MHz	88-108MHz	162MHz NOAA

Ramsey Wide-Band Preamplifier

If your scanner reception needs a little boost, this is the preamp to do it! Providing high gain at low noise, and operating continuously over 1 GHZ of spectrum, this signal booster can really make a difference in weak signal areas! The MMIC preamp's dynamic range assures excellent strong-signal-overload intermod rejection (better than your scanner!).

Equipped with BNC connectors, no adjustment is necessary; just plug your antenna cable into the preamp, and run the 3' BNC/BNC cable (provided by Grove at no extra charge) to the antenna connector on your scanner—that's it! For mobile applications, use a 12 VDC cable (not supplied) to the vehicle power source; for base operation, a 120 VAC/12 VDC wall adaptor is included at no extra charge!

SPECIFICATIONS:

Frequency Range: 1-1000 MHz
1 dB Compression Point: +18 dBm
Average Gain: 23 dB @ 1-450 MHz, 15 dB @ 450-1000 MHz
Noise figure: <3 dB
Impedance: 50-300 ohms
Power Required: 10-12 V AC or DC @ 50-75 mA; 120 VAC adaptor included
Maximum Signal Input: 0.5 V Active Device: UPC 1678

FREE 3' cable with BNC to BNC!

Order PRE02
Our Price: $59.95

GRE Super Amplifier

Boost the range of your hand-held scanner.

The GRE Super Amplifier has 20-dB ***(adjustable)*** gain from 100-1000 MHz. BNC connectors allow the unit to be mounted between the scanner and the antenna; a bypass switch permits the unit to be disabled without having to remove it. A 9-volt battery ***(not supplied)*** will provide up to 24 hours of continuous operation; a convenient external power jack permits the unit to be used continuously from a 9 V DC wall adaptor ***(not supplied)***.

Order PRE01 - Our Price: $59.95

Mobile Antenna Multicoupler with BNC Adaptor

Enjoy 30-960 MHZ mobile scanner reception using your existing AM/FM auto antenna! That's right; no holes, no magnets, no scratched paint or clumsy cables going through doors and windows. Ideal for low-profile monitoring installations where a separate scanner antenna is not desirable.

The Para Dynamics PDC 63 Mobile multicoupler takes only seconds to install and allows simultaneous use of your AM/FM car radio as well as your mobile scanner. Comes equipped with a BNC connector.

Order CPL63B - Our Price: $16.95

Stridsberg Multicouplers
2-8 ports, 100kHz-1GHz, active and passive.

Operate multiple receivers or scanners from one antenna; amplified (active) and passive models. Designed for rigid military, government, and commercial monitoring and surveillance applications requiring high intermod rejection, low noise. Die-cast aluminum cases (4-3/8"L x 2-3/8"W x 1-1/4"H) EMI/RFI shielded and fitted with BNC connectors. 120VAC / 12VDC power supplies included with active models. Five-year warranty; (DS=drop-shipped directly to you from the manufacturer.)

CPL06DS - 2 port passive, 100kHz-500MHz . $69.95
CPL08 - 2 port passive, 10MHz-1GHz $69.95
CPL07DS - 4 port passive, 100kHz-500MHz . $94.95
CPL09 - 4 port passive, 10MHz-1GHz $94.95
CPL03 - 4 port active, 25MHz-1GHz $184.95
CPL01 - 4 port active, 100kHz-50MHz $184.95
CPL02DS - 8 port active, 100kHz-50MHz $334.95
CPL04 - 8 port active, 25MHz-1GHz $334.95

"I live 30 miles and two large mountain ridges from the San Diego 800MHz trunked system I want to monitor. My reception with an all-band discone was only 20% intelligible with anywhere from 10% to 70% trunking decoding accuracy. I bought a Stridsburg preamp and achieved an 85% intelligibility and most often a 98% decoding accuracy. I was amazed! This is a great product!"

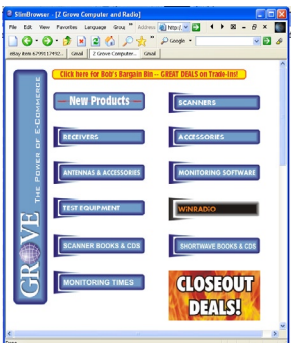
- Scott Fulrath

MFJ 1045C Preselector - 1.8-54 MHz

Boost weak signals and reject out-of-band interference and images from 1.8-54 MHz. Boost weak signals up to 20 dB with low-noise, dual-gate MOSFET and bipolar transistors. Choose between two antennas and two receivers from the front panel. Powered by any 9-18 VDC supply.

Suggested Accessories:
PWR04 - MFJ 1312D AC Adaptor $14.95
CBL11 - Cable with PL259 on both ends ... $3.99

TUN01 - Our Price: $69.95



Can't find what you're looking for here in the catalog? It's probably online in our Grove e-commerce catalog. Up-to-date pricing and the latest technology is just a click away! Visit today at www.grove-ent.com!

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SPEAKERS, HEADPHONES & RECORDERS

VALOR VS6 NOISE CANCELING MOBILE SPEAKER

Whether your mobile listening needs are for scanner, shortwave, ham radio, CB, or professional two-way communications, this mobile accessory speaker will improve audio reception. A simple snap of the toggle switch reduces pulse ignition noise and background hiss. Enjoy improved audio with the rugged, 4-inch, 10-watt-rated speaker. Mount the adjustable, steel bracket to your vehicle, plug the 10-foot cord into the 1/8" (3.5 mm) external speaker jack on your radio, and you're ready to go!
Power Rating: 10 watts
Impedance: 8 ohms.

SPK07 - Our Price: $14.95

SPECO DMS-3P Extension Speaker

Technical Specifications:
Dimensions 7-1/4" (H) X 4-1/2" (W) X 4-3/8" (D) / Frequency Range 55 - 20,000 Hz. / Housing Black Die Cast Metal / Impedance 8 Ohm / Max Power 50 Watts / Midrange 2" / Mounting Brackets Included / RMS Power 30 Watts / Tweeter 1" Mylar Dome / Woofer 4" Polypropylene

SPK03 - Our Price: $49.95

GAP "HEAR IT" DSP SPEAKER

This compact speaker system utilizes powerful digital signal processing (DSP) to suppress annoying background hiss and static, revealing crisp, clean audio for shortwave reception, scanner monitoring, ham radio transceivers, CB installations, maritime mobile, noisy recordings, and other sources of crackly, hiss-ridden audio. Unlike competitive models which produce harsh, distorted audio with distracting DSP artifacts, the "Hear It" reveals up to 2-1/2 watts of clean, undistorted sound. Controls are provided for volume and DSP level.

Measuring a mere 4-1/3"W x 2-1/2" H x 2-1/2"D and weighing only 7 ounces, The "Hear It" is designed to be used in compact mobile installations and includes a mounting bracket, 8' input cord with 1/8" (3.5 mm.) mini plug, a fused DC power cord, and an instruction booklet. The unit's standard 2.1 mm. power jack will accept 12-28 VDC at approximately 500 mA, making it universally applicable to fixed, mobile, and even aeronautical configurations. The small internal speaker is ideally suited to voice frequencies; for more demanding sound requirements, an external speaker or headphones may be plugged into the 1/8" jack provided.

SPK05 - Our Price: $158.95

YAESU SP-8 Communications Speaker

This handsome external speaker is ideal for improving sound from shortwave receivers and scanners. Housed in a professional metal cabinet with gray wrinkle finish, the 5 inch speaker handles up to 3 watts of receiver audio at 8 ohms. A front-panel mode switch allows selection of SSB, CW, manual adjust, or mute. The listener may custom-adjust his listening with multi-position switches for treble and bass.

Push-button selection from either of two RCA phono-jack inputs permits choice of audio source (cable included), and both a quarter-inch and 1/8 inch (3.5 mm) headphone jacks are front-panel accessible.

SPK04 - Our Price: $159.95

JRC NVA-319 External Speaker

JRC NVA-319 speaker features: Audio filter with buttons for High Cut A, High Cut B and Low Cut. 38" Audio Cable with an RCA Phono plug. Input 2 Jack on the rear panel for a second audio source. 1/4" headphone jack on the front panel of the speaker. Impedance: 8 ohms. Max. Input: 3W. Dimensions: 7.1 x 5.2 x 11.1 in.

SPK06DS - Our Price: $210.00

ICOM SP-23 Noise-Reducing Speaker

This passive ***(no power required)*** external speaker offers four high- and low-pass pushbutton selections to improve audio quality on any receiver, transceiver or scanner. Reduces shrillness or high-pitched heterodyne interference as well as boominess on audio signals. Contour recovered audio for best reception.
Heavy-duty rubber feet prevent scratching and movement on operating surface. Tilt bail allows ergonomic positioning.
SPECIFICATIONS:
Dimensions: 5-3/4"W x 4-1/4"H x 11"D
Weight: 3.6 pounds
Frequency response: 200 Hz – 10 kHz flat
Low-frequency roll-offs: 250 Hz and 500 Hz
High-frequency roll-offs: 1 kHz and 3 kHz
Inputs: Two pushbutton-selectable 1/8" (3.5 mm) mono jacks, 8 ohms nominal impedance
Output: 4 watts at 8 ohms (nom.)
Headphone jack: ¼" monaural, front panel
Speaker: 3" internal
ACCESSORIES SUPPLIED: 1/8" — 1/8" mono interconnect cable, Operating instructions

SPK08 - Our Price: $169.95

Noise-Canceling Headphone from Heil Sound

This headset is ideal for noisy environment such as trackside monitoring at motor sports events, two-way radio on construction sites, emergency communications at disaster scenes, factories and manufacturing operations—anywhere that noise may compromise important communications. Excellent companion for FRS transceivers, ham radio equipment, CB radios, cell phones, land mobile communications gear, public safety hand-helds, marine and aircraft radios, even MP3 and CD players!

Surpassing the performance of competitors that cost over $300, this professional headset has a built-in differential that samples environmental noise with its tiny microphone, then feeds the sound out of phase to the earpiece where it is acoustically attenuated. Comfortable head pads and adjustable headband assure effortless listening over extended periods. Equipped with 1/8" (3.5 mm) stereo plug; ¼" adaptor included.

HDP01 - Our Price: $93.95

C Crane Long-Play Versacorder

Now you can listen to your favorite shortwave, talk radio, music broadcast, scanner activity, anytime you want by pre-recording the transmissions—at normal tape speeds or up to four hours on one side of a standard 120 minute cassette (a tape and tri-plug patch cord are provided)!

Excellent as well for preserving conferences with its built-in microphone, and for recording important telephone conversations with an optional patch cord (a beep tone can be activated to remind other telephone callers that a recording is being made).

A six-event timer allows you to automatically turn the recorder on at a pre-arranged time and day. You can use the voice activation to economize tape during periods of audio inactivity, or even remote- or manually activate the recorder. The large internal speaker provides quality sound at high playback levels.
Runs on (4) optional "C" batteries or the included AC adapter.
Weight: 2 lbs. 6 ozs. Size: 10" W x 2.625" H x 6.5" D.
Made by Sangean.

REC01 - Our Price: $99.95

With the optional Telephone Patch Cord, you can record directly from the telephone.
CBL10 Versacoder Phone Patch Cord..... $9.95

NITELOGGER II Automatic Tape Recorder Activator

The Nitelogger II is a device which allows recording sound from an audio source only when an audio signal is present; its main purpose is to avoid the recording of the silence eventually present at the input. It has been designed in particular for radio-scanner hobbyists. If you are one of them, you already know how much time has to be spent when monitoring a new frequency: the traffic on the new channel is very sparse and communications are short, with long pauses between each one.

With Nitelogger II you can compress a whole day's worth of monitoring onto a single tape. You can leave it on and connected to a scanner at home while you are at the office or doing something else; later, you can listen the messages caught by your scanner however many times you want. In this way you can quickly monitor suspicious channels and have all the "action" into a single tape.

REC02 - Our Price: $49.95

TEST EQUIPMENT

WiNRADiO EMR Detector

This tiny, pocket accessory is ideal for detecting the presence of radio and electric fields in your proximity. With a continuous frequency response from 50 Hz to above1 GHz, and an average sensitivity of 25 uV/cm, this new EMR Detector from WiNRADiO is a very handy gadget!

Order TST06 - Our Price: $49.95

MFJ 886 Frequency Counter

The shirt-pocket MFJ-886 offers 1 MHz-3 GHz frequency range, a 100 MHz sensitivity of 0.8 mV and readout to 0.1 Hz, all from a large (3/4"H), 10-digit LCD!

A sensitive bargraph signal strength meter, an accurate 1 ppm time base which can be calibrated externally, rechargeable batteries (included, up to six hours operation), are all part of this rugged, anodized-aluminum-encased pocket instrument which measures only 2-3/4"W x 3-1/4"H x 1-1/4"D, and comes with an AC adaptor/re-charger and telescoping BNC whip antenna at no extra cost!

Order TST07 - Our Price: $119.95

ZAP ZC-185 Electric Field Meter

There are quite a few pocket testers for electromagnetic energy, but this one actually has the look and feel of a professional test instrument.

Designed to detect electromagnetic emanations from a large number of sources (microwave ovens, hidden transmitters, computer equipment, wireless phones, amateur and commercial two-way radios, etc.), the ZAP 185 boasts a wide frequency coverage of 3-5000 MHz (5 GHz).

For invisible applications, the unit can be kept in a pocket and a vibrator-alert mode can be selected to notify the user of a nearby transmitting device.

Weak signals are clearly detected at a respectable distance using the linear scale, while snapping the mode switch to a logarithmic scale prepare detection of much stronger signals. A large meter provides the capability of comparing relative signal levels as well as signal locating.

The ZAP 185 operates for up to 80 hours from a pair of AA alkaline cells (not included).

Order TST18 - Our Price: $158.95

Professional RF Field Strength Meter

This new, hand-held, RF field strength meter (FSM from AlphaLab) has an extraordinarily wide frequency coverage: 500 kHz-3 GHz ***(usable to 10 GHz at reduced sensitivity)***!

Ideal for detecting the power density of radio and microwave signals at levels from 0.001-2000 microwatts per square centimeter.

High sensitivity allows background RF measurements from dense metropolitan areas to remote rural sites.

The digital display and internal antenna guarantee flat response over the wide frequency range.

Measure RF levels of broadcasting services, FCC product certification screening, environmental RF pollution measurement, amateur radio legal exposure verification, CB overpower detection, cordless phones, hidden surveillance transmitters, microwave ovens, and other radiating devices.

Order TST09 - Our Price: $299.95

Powered by standard 9-volt battery (included). Full instructions provided.

Mastech MS8209 Multimeter

Ideal for gardening, environmental monitoring, and test bench functions. Applications include rare plant growing, photography, filming, video taping, OSHA measurements, auditorium acoustics control, classroom design, church sound systems and performance halls for acoustics control.

The multimeter's rugged, rubberized enclosure resists splashing and provides durability. A rear-hinged prop can stand the meter for convenient viewing. A backlight allows the unit to be clearly read in low light conditions.

A high-quality, zippered, nylon bag is provided, containing pockets to securely hold the meter—battery included-- and rubberized test leads.

Order TST01 - Our Price: $89.95

ZAP MODEL ZC-270

The unique feature of the Zap Checker 270 is the ability to use special antennas, band pass filters and attenuators through an SMA coaxial input connector. Depending upon the frequency and directionality of the externally connected antenna, the ZC-270 becomes a highly directional frequency-specific instrument which is ideal for counter-surveillance detection.

The optional 1.8 – 6.4 GHz Log-Periodic Antenna available with the ZC-270 boosts the sensitivity by 3 times. It also narrows the directional detection characteristics of the ZC-270 to a longer, thinner scan pattern directed along the long axis of the antenna. With prior instrumentation it was necessary to "sweep" a room by moving the detection device from 30 to 70 cm away from the walls, ceiling and floor in a raster scanning mode, similar to the travel of an electron-beam in a television CRT. That is time consuming and back-straining work! Using the Zap Checker 270 with antenna, the covert device can be initially detected from 8+ meters away. That is outside the room or at the door. Then, from the door itself, the walls, ceiling and floor can be scanned by pointing the directional antenna and hand-sweeping the room. Now we can "SWEEP THE ROOM FROM THE DOOR", detecting the direction of the covert transmitter from a distance.

Order TST15 - Our Price: $259.95

ZAP MODEL ZC270 w/ Antenna

Order TST14 - Our Price: $319.95

AOR SDU5600

The AOR SDU5600 is a compact LCD spectrum display unit for spotting and capturing brief transmissions within 10 MHz of the tuned frequency. Designed as a companion for the AR 5000+3 receiver, the SDU 5600 can also be used with any receiver with an IF output between 6-15 MHz. Fuctions include step size selection for direct channel sampling, and continuous spectrum mode (with choices of peak, max, average). On-screen support is provided for AR5000, AR5000+3, AR3000A, ICOM® IC-R7100, IC-R8500, IC-R9000 and "Others."

The AOR SDU5600 is the "next generation" in spectrum display units employing DSP and FFT (Fast Fourier Transform), faster sampling rates and color imaging, the SDU5600 opens the door to new possibilities and applications. With sampling at up to six times per second, the operator is quickly aware of new active frequencies. The "waterfall display" function is truly a great convenience, along with a host of menu driven selections and features.

- High resolution 5 inch color TFT display
  Graphics are clear, crisp and sharp.
- Built-in "waterfall" display function
- FFT signal processing and analysis
- DSP
- Wide input level range: 0 ~ -90dBm
- High dynamic range: 60 dB

Supplied with: DB-9 male control cable, BNC patch cable for IF connection, manual, 120V AC adaptor

Order TST10DS
Our Price: $1,449.95

BOOKS

Passport to World Band Radio, 2007 Edition

Passport is the ultimate shortwave hobbyist's listening reference. At a glance, Passport's exhaustive chart shows world broadcasters by frequency and time, indicating station power and language as well. Passport includes extensive chapters on program profiles, English language listening, catching clandestine and pirate broadcasters, receiver reviews and ratings, and more.

BOK18-07 - $22.95

World Radio TV Handbook, 2007 Edition

This information packed reference for professional monitoring stations and serious shortwave listeners bulges with station information, staff listings, contact information, worldwide mediumwave and shortwave frequencies, and schedules for programs in all languages.

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BOK03-07 - $26.95

SOFTWARE

Grove's Frequency Master File

NOW AVAILABLE ONE INFORMATION-PACKED CD—THE GROVE MILITARY FREQUENCY DIRECTORY, FEDERAL FREQUENCY DIRECTORY, AND SHORTWAVE DIRECTORY! Thousands of frequencies—HF, VHF and UHF--confirmed by our monitoring stations! Search by frequency or key words like location, call sign or agency! A master search allows you to search across all three books for the information you need! All in convenient PDF!

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Shortwave Frequency Directory

Worldwide airlines, maritime and coastal station networks, US Coast Guard, domestic and foreign international broadcasting, navigational beacons; diplomatic and government worldwide, press HF links, spy numbers transmissions, amateur and CB band plans, Air Force, Army and Navy networks globally, business, scientific, and private communications, long wave beacons, Travelers Information Stations and more. Includes an exhaustive "Who's Who in the Spectrum" look-up and tables of abbreviations and terms.

Federal Frequency Directory

From 2-420 MHz , this is the largest and most accurate listing available outside classified government files. Air Force, Navy, Coast Guard, Army, NASA, U.S. Marshals, United Nations, Customs, White House Communications, FBI, Border Patrol, IRS, Secret Service, FAA, National Strike Force, DEA, Post Office, TVA, U.S. Capitol Police, Social Security, NSA, Forest Service, FEMA, Indian Affairs, and dozens of other agencies are included in this comprehensive database.

Additional chapters describe federal radio systems, frequency assignment procedures, and a comprehensive by-agency table of HF (2-30 MHz) nationwide frequencies. A glossary of agency abbreviations is included.

SPECIAL BONUS! Also includes the comprehensive National Telecommunications and Information Agency (NTIA) Manual of Regulations and Procedures for Radio Frequency Management, as well as the NTIA color chart of the electromagnetic spectrum (3 kHz-300GHz)!

Order SFT35 - Our Price: $39.95

Grove Radio/Television Broadcast Directory on CD-Rom

Grove brings back the days of the renowned White's Radio Log with this 750-page directory of broadcasting stations in North, Central and South America, all on one CD-ROM.

Authored by Monitoring Times columnist and assistant editor, Larry Van Horn, this self-loading, information-packed PDF includes Adobe Acrobat, allowing search by frequency, call sign, location or any combination of key word(s).

The AM broadcast (530-1700 kHz) station section includes station listings for North, Central and South America. The FM (88.1-107.9 MHz) and Television (channels 2-69) sections include listings for the United States, Canada and Mexico.

Listings include frequency, call sign, antenna configuration, location, power output for time of day/night, service designators, and station class listings and license status. A handy reference section lists informative Internet sites for radio clubs and additional station information.

Whether you are just starting to explore the broadcast frequency spectrum or you are a seasoned veteran, the Grove Radio/Television Broadcast Directory should be a part of your radio library.

Order SFT22 - Our Price: $29.95

MR. SCANNER FCC DATABASE, 2007 Edition

This information-packed CD features official FCC records of licensees by state in the 25-1300 MHz range. Includes police, fire, ambulance, hospital, railroads, business, airports, AM/FM/TV broadcasting, armored express, paging, press, public transportation, common carrier, microwave relay, and public utilities. Trunk-Tracker IDs and ten codes are also listed. Data fields which may be searched independently include frequency, city, county, call sign, and service code; includes latitude and longitude as well. Export your records by ASCII or DBase. System requirements: Pentium 133 or faster, Works best with Windows 2000 or higher, 128 meg minimum memory, 4x or faster CD-Rom drive

Order SFT10 - Our Price: $23.95

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For more than two decades, Bob Grove's popular "Ask Bob" monthly column has been a favorite among Monitoring Times readers. Now you can enjoy reading hundreds of the most informative questions and answers submitted by readers over the years, specially chosen for this edition based upon timeliness, general appeal and importance.

Whether your interests are in antennas, scanners, shortwave, basic theory, or all these and more, this is one fascinating and informative CD you won't want to stop reading!

The Ask Bob CD contains 5 videos explaining the basics of Selectivity, Trunking, Repeaters, Dynamic Range and AC Adaptors. These videos feature Bob Grove, owner of Grove Enterprises, and Publisher of Monitoring Times magazine. System requirements to run the videos are: Pentium 400 or higher processor, 8mb video card, CD-ROM or DVD-ROM drive.

Order SFT09 - Our Price: $19.95

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Klingenfuss 2007 Super Frequency List on CD-ROM

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Whether you are an international radio listener, a businessman or a tourist traveling worldwide, a professional monitoring service, or a circumnavigator sailing around the globe: This is the way - just a few keystrokes and you have it all!

Order SFT26-07 - *Our Price: $34.95*

Scancat-Gold for Windows v8.25

Scancat-Gold for Windows now supports the BEARCAT BC-296, BC796, BC-250, BC-785, BC-780, BC-245 and BC-895 TrunkTrackers. This unique desktop scanner from Uniden, has 300 memories that can be programmed for either conventional or Trunking Channels. PLUS Scancat can control not only the conventional operations of the BC-245/895, such as scanning, logging, spectrum analysis etc. but now does full trunking! Scancat permits you to selectively load the banks of the radio with all your favorite trunking frequencies and trunking group ID numbers. Also read the radio's memory contents to files, including conventional trunking information.

One recent review said we support "almost every radio on the planet!". Well... (on the Planet Earth) almost. With Scancat's support of over 85 radios, from over 10 Manufacture's, your software dollars go a long way. No need to buy several programs, one for each radio you own. The chances are high that we already support all of your existing scanner and receiver equipment. And the best part is....all the equipment is supported in one program, no need to purchase separate "drivers".

NEW more comprehensive manual. We also use extensive BETA testing before releasing our new product. The results are a program that is user designed. Our one program runs all the radio's we support. If you own more than one radio or purchase another in the future, you never need to buy another computer control program. Is not copy protected. Use on as many computers as you wish.

SFT02W - $99.95

The SE upgrade supports all Scancat Gold features, and adds:

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- Spectrum analyzer with 6 graphical methods (any 3 at a time)
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- Log signal strength, airtime, CTCSS tones (if radio supported)
- Plot, activate, and analyze other databases up to three screens at a time
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- Cascade up to 6 CI-V addressable radios at one time
- Master/slave interactivity for any ICOM or Opto-boarded PRO 2xxx scanner

(NOTE: Scancat-Gold for Windows 7.0 or greater, SFT-02W, required for SE Upgrade).
Requires Windows 3.x or higher, 5 MB hard drive free, 16 MB RAM, VGA monitor

SFT02SE - $59.95
SFT2W required

ScanCat Lite Plus for Windows

This new Scancat program supports the memory programming for Radio Shack and Uniden Scanners and at a price that anyone can afford. While the regular Scancat-GOLD supports both memory programming and scanning from the PC, the new Scancat-Lite PLUS is targeted to those radio owners that need to program the radio's memories, but do not need the additional scanning control.

SFT19 - $29.95

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